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OM protein - protein search, using sw model

Run on: August 26, 2005, 10:48:35 ; Search time 22 Seconds
(without alignments)
1017.942 Million cell updates/sec

Title: US-10-202-687-2
Perfect score: 1584
Sequence: 1 MDLPQLSGLYVAAPALGF.....RGPGLKTVCAARTQGGKSQK 300

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/prodata/1/iaa/5A_COMB.pep.*
2: /cgn2_6/prodata/1/iaa/5B_COMB.pep.*
3: /cgn2_6/prodata/1/iaa/6A_COMB.pep.*
4: /cgn2_6/prodata/1/iaa/6B_COMB.pep.*
5: /cgn2_6/prodata/1/iaa/PCTUS_COMB.pep.*
6: /cgn2_6/prodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1584	100.0	300	4	US-09-170-496D-250
2	1579	99.7	300	4	US-09-170-496D-272
3	347	21.9	346	4	US-09-170-496D-254
4	347	21.9	401	2	US-08-820-521-2
5	347	21.9	401	3	US-09-248-715-2
6	347	21.9	401	3	US-09-248-715-2
7	342	21.6	346	4	US-09-170-496D-274
8	340.5	21.5	330	3	US-09-187-710-2
9	332	21.0	330	2	US-08-788-750-2
10	332	21.0	330	4	US-09-170-496D-258
11	331	20.9	330	4	US-09-170-496D-276
12	322	20.3	330	4	US-09-152-060-104
13	231.5	14.6	385	3	US-09-053-866-2
14	231.5	14.6	385	4	US-09-479-130-2
15	231.5	14.6	385	4	US-09-472-130A-2
16	228	14.4	425	1	US-07-657-769B-69
17	228	14.4	425	1	US-08-097-938-7
18	228	14.4	425	1	US-08-313-553-13
19	228	14.4	425	1	US-07-789-184-220
20	228	14.4	425	1	US-08-476-000-7
21	228	14.4	425	1	US-08-475-263-220
22	228	14.4	425	1	US-08-472-840-7
23	228	14.4	425	1	US-08-485-886-220
24	228	14.4	425	1	US-08-477-362-220
25	228	14.4	425	2	US-08-477-134-220
26	228	14.4	425	2	US-08-911-320A-3
27	228	14.4	425	2	US-08-476-976-7

28	228	14.4	425	2	US-08-742-440A-7	Sequence 7, Appli
29	228	14.4	425	2	US-08-560-098A-57	Sequence 57, Appl
30	228	14.4	425	3	US-08-767-993-13	Sequence 13, Appl
31	228	14.4	425	3	US-08-473-489A-220	Sequence 220, App
32	228	14.4	425	3	US-08-474-410-7	Sequence 7, Appli
33	228	14.4	425	3	US-08-485-695-220	Sequence 220, App
34	228	14.4	425	3	US-09-217-101-3	Sequence 3, Appli
35	228	14.4	425	3	US-08-018-760-220	Sequence 220, App
36	228	14.4	425	3	US-08-486-673B-7	Sequence 7, Appli
37	228	14.4	425	4	US-09-054-272-53	Sequence 53, Appl
38	225.5	13.2	358	4	US-09-170-496D-186	Sequence 186, App
39	216.5	13.7	358	4	US-09-170-496D-40	Sequence 40, Appl
40	213	13.4	358	3	US-09-041-545-2	Sequence 2, Appli
41	213	13.4	358	3	US-09-327-925-2	Sequence 2, Appli
42	210	13.3	357	5	PCT-US95-07180-3	Sequence 3, Appli
43	205.5	13.0	408	2	US-08-742-440A-6	Sequence 6, Appli
44	202.5	12.8	328	3	US-08-513-974B-56	Sequence 56, Appl
45	202.5	12.8	328	3	US-08-513-974B-380	Sequence 380, App

ALIGNMENTS

RESULT 1
US-09-170-496D-250
; Sequence 250, Application US/09170496D
; Patent No. 6555339
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protein-Coupled Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 250
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-170-496D-250

Query Match		100.0%;	Score 1584;	DB 4;	Length 300;
Best Local Similarity		100.0%;	Pred. No. 3.7e-126;		
Matches 300;		Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	MDLPQLSGLYVAAPALGFPLNVLAIRGATAHARLRLTPSLVYALNLGCSDLLLTSLP	60		
Db	1	MDLPQLSGLYVAAPALGFPLNVLAIRGATAHARLRLTPSLVYALNLGCSDLLLTSLP	60		
Qy	61	LKAVBALASGAWPLPASLCPVFAVAFPPLYAGGGFLAALSAGRYLGAAPFLGYQAFRRP	120		
Db	61	LKAVBALASGAWPLPASLCPVFAVAFPPLYAGGGFLAALSAGRYLGAAPFLGYQAFRRP	120		
Qy	121	CYSWGCAAIWALVLCHLGLVFLGAPGWLHDHNTSLGINTPVNGSPVCLBWDPASAG	180		
Db	121	CYSWGCAAIWALVLCHLGLVFLGAPGWLHDHNTSLGINTPVNGSPVCLBWDPASAG	180		
Qy	181	PARFSLSLLLFPPLAITAFVCVGLRALARSGLTHRRKLRRAWVAGGALLTLLLCVGPY	240		
Db	181	PARFSLSLLLFPPLAITAFVCVGLRALARSGLTHRRKLRRAWVAGGALLTLLLCVGPY	240		
Qy	241	NASNVASFLYPNLGGSWRKGLITGAWSVVLNPLVTGYLGRGPGTKTVCAARTQGGKSQK	300		
Db	241	NASNVASFLYPNLGGSWRKGLITGAWSVVLNPLVTGYLGRGPGTKTVCAARTQGGKSQK	300		

RESULT 2
US-09-170-496D-272
; Sequence 272, Application US/09170496D
; Patent No. 6555339

GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 272
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-170-496D-272

Query Match 99.7%; Score 1579; DB 4; Length 300;
Best Local Similarity 99.7%; Pred. No. 9.7e-126;
Matches 299; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MDLPPLSGLYVAAPALGFPLNLVLAIRGATAHARLRLTPSLVYALNLGCSDLLLTVSLP 60
DB 1 MDLPPLSGLYVAAPALGFPLNLVLAIRGATAHARLRLTPSLVYALNLGCSDLLLTVSLP 60

QY 61 LKAVEALASGAWPLPASLCPVFAVAHFFPLVYAGGGFLAALSAGRYLGAAPFLGYQAFRRP 120
DB 61 LKAVEALASGAWPLPASLCPVFAVAHFFPLVYAGGGFLAALSAGRYLGAAPFLGYQAFRRP 120

QY 121 CYSWGVCAAIWAIVLCHLGLVGLFLEAPGWLHDHNTSLGINTPVNGSPVCLBAPASAG 180
DB 121 CYSWGVCAAIWAIVLCHLGLVGLFLEAPGWLHDHNTSLGINTPVNGSPVCLBAPASAG 180

QY 181 PARFSLULLFLPLAITAFVCYVGCRLARALRSLGTHRRKLRAAWAGGALLTLLICVGPY 240
DB 181 PARFSLULLFLPLAITAFVCYVGCRLARALRSLGTHRRKLRAAWAGGALLTLLICVGPY 240

QY 241 NASNVASFLYPLNGLGSRWKLGLITGAWSVVNLPLVTGYLGRGPGKTVCAARTQGGKSK 300
DB 241 NASNVASFLYPLNGLGSRWKLGLITGAWSVVNLPLVTGYLGRGPGKTVCAARTQGGKSK 300

RESULT 3
US-09-170-496D-254
; Sequence 254, Application US/09170496D
; Patent No. 6555339
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 254
; LENGTH: 346
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-170-496D-254

Db 61 DLLLLFLFPRMVEAANGHWPPLPILCLPSGIFFTTIYLTALFLAAVSIERFLSVAP 120
QY 112 LGYQAFRRPCYSWGYCAAIWAIVLCHLGLVGLFLEAPGWLHDHNTSLGINTPVNGSPVCL 171
Db 121 LMWYKTRPLGQAGLVSVACWLLASHACSVMVVFIEFSGD-ISHSQGTNG-----TCY 170
QY 172 EAW---DPASGPARFSLSLLLFFLPLAITAFVCYVGCRLARALRSLGTHRRKLRAAWAGG 228
Db 171 LEFRKDQLAIIPLVLEMAVLFVVPLIITSVCYSRLVWILGGG-SHRRQRRVAGLLAA 229
QY 229 ALLTLLLCVGPYNASNVASFLYPLNGLGSRWKLGLITGAWSVVNLPLVTGYLGRG 282
Db 230 TLLNFLVCGFPGYVNVSHVGYICGE-SPAWRIYVITLLSTLNSCVDPFVYFSSSG 282

RESULT 4
US-08-820-521-2
; Sequence 2, Application US/08820521
; Patent No. 5942416
; GENERAL INFORMATION:
; APPLICANT: Bergsma, Derk
; APPLICANT: Ganesh, Sathe
; APPLICANT: Fuetterer, Wendy
; APPLICANT: Mao, Joyce
; TITLE OF INVENTION: CDNA CLONE HNFY20 THAT ENCODES
; TITLE OF INVENTION: A NOVEL HUMAN 7-TRANSMEMBRANE RECEPTOR
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: Fast-SEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/820,521
; FILING DATE: 19-MAR-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Han, William T
; REGISTRATION NUMBER: 34,344
; REFERENCE/DOCKET NUMBER: GH50011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5219
; TELEFAX: 610-270-4026
; TELEX:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-820-521-2

Query Match 21.9%; Score 347; DB 2; Length 401;
Best Local Similarity 32.3%; Pred. No. 1.8e-21;
Matches 95; Conservative 41; Mismatches 134; Indels 24; Gaps 6;

QY 1 MDLPPLS-----FGLYVAAPALGFPLNLVLAIRGATAHARLRLTPSLVYALNLGCS 51
Db 56 MDTGPDQSYFSGNHWVFVSVLLTFLVGLPLNLLAVVFGVKLQRRPVAVDVLLNLITAS 115
QY 52 DLLLTVSLPLKAVEALASGAWPLPASLCPVFAVAHFFPLVYAGGGFLAALSAGRYLGAAPP 111
||||| : ||| : ||| ||||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : |||

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Db      116 DL L L L L L P L F R M V E A A N G M H W P L P I L C P L S G S I F F T T I Y I T A L F L A A V S I E R F L S V A H P 177
Qy      112 L G Y Q A F R R P C Y S M G V C A A I W A L V L C H L G L V F G L E A P G C W L D H S N T S L G I N T P V N G S P V C L 171
Db      176 L W Y K T R P R L G Q A G L V S V A C M L L A S A H C S V V Y V I E F S G D - I S H S Q T N G - - - - - T C Y 225
Qy      172 E A W - - - D P A S A G P A R E S L S L L F F L P L A I T A F C Y V G C L R A L A R S G L T H R R K L R A A W A G G 228
Db      226 L E F R K D Q L A I L L P V R L E M A V I L F V V P L I I T S Y C Y S R L V I L G R G G - S H R R Q R R V A G L A A 284
Qy      229 A L L T L L C V P P N A S V F L P N L G S G S W R K L G L I T G A W S V V L N P L V T G Y L G R G 282
Db      285 T L L N F L V C F P I N V S H V G Y I C G E - S P A W R I Y V T L L S T L N S C V D F F Y I Y F S S G 337

RESULT 5
US-09-248-715-2
; Sequence 2, Application US/09248715
; Patent No. 6207800
; GENERAL INFORMATION:
; APPLICANT: BERGSMÄ, DEREK
; APPLICANT: SATHE, GANESH M.
; APPLICANT: FUETTERER, WENDY
; APPLICANT: MAO, JOYCE
; TITLE OF INVENTION: CDNA CLONE HNFY20 THAT ENCODES
; TITLE OF INVENTION: A NOVEL HUMAN 7-TRANSMEMBRANE RECEPTOR
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ratner & Prestia
; STREET: P.O. Box 980
; CITY: Valley Forge
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/248,715
; FILING DATE: 09-FEB-1999
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/820,521
; FILING DATE: 19-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Prestia, Paul F
; REGISTRATION NUMBER: 23,031
; REFERENCE/DOCKET NUMBER: GP-50011-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0700
; TELEX: 846169
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
US-09-248-715-2
Query Match 21.9%; Score 347; DB 3; Length 401;
Best Local Similarity 32.3%; Pred.No.1.8e-21;
Matches 95; Conservative 41; Mismatches 134; Indels 24; Gaps 6
Qy      1 MDLPOLS-----FGLVVAFAALGFPPLNVLAIARGATAHARLRLTPTSLVVALNLGCS 51
Db      56 MDTGPDQSYFSGNHHWFVSVYLLFLVGLPLNLALVVFVKLQRRPVAVDVLLNLITAS 115
Qy      52 DLLLTVSLPLKAVEALASGANPLPASICPVFAVHFFPYAGGGFLLAALSAGRYLGAAPP 111

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Db 116 D L L L L L F P F R V E A A N G M H W P L P I L C P L S G F I F F T T Y I T A L F A A V S I E R F L S V A H P 1 7 1
 Qy 112 L G Y Q A R R P C Y S W G C A A I W A L V L C H L G L V F G L E A P G W L D H S N T S L G I N T P V N G S P V C L 1 7 1
 Db 176 L W Y K T R P L G O A G L V S V A C W I L A S N H C S V V V I E F S G D - I S H S Q G T N G - - - - - T C Y 2 2 5
 Qy 172 E A W - - - D P A S A G P A R F S U S L L L F F L P L A I T A F C Y V V G C L R A L A R S G L T H R R K L R A A W A G G 2 2 8
 Db 226 L E F R K D Q L A I L P V R L E M A V V L F V V P L I T S Y C Y S R L V M I L G R G G - S H R R Q R R V A G L L A A 2 8 4
 Qy 229 A L L T L L C V G P N A S N A S F L Y P N I L G G S W R K L G L I T G A M S V V L N P L V T C Y L G R G 2 8 2
 Db 285 T L L N F L V C G P Y N V S H V V G Y I C G E - S P A W R I Y V T L L S T I N S C V D P F V Y Y F S S G 3 3 7

 RESULT 6
 US-09-248-715-2
 ; Sequence 2, Application US/09248715
 ; Patent No. 6277960
 ; GENERAL INFORMATION:
 ; APPLICANT: BERGSMÄ, DERK
 ; SATHE, GANESH M.
 ; FUETTERER, WENDY
 ; MAO, JOYCE
 ;
 ; TITLE OF INVENTION: CDNA CLONE HNFY20 THAT ENCODES
 ; A NOVEL HUMAN 7-TRANSMEMBRANE RECEPTOR
 ;
 ; NUMBER OF SEQUENCES: 2
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Ratner & Prestia
 ; STREET: P.O. Box 980
 ; CITY: Valley Forge
 ; STATE: PA
 ; COUNTRY: USA
 ; ZIP: 19482
 ;
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: Fast-Seq for Windows Version 2.0
 ;
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/248,715
 ; FILING DATE: 09-Feb-1999
 ; CLASSIFICATION: UNKNOWN
 ;
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/820,521
 ; FILING DATE: 19-MAR-1997
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Prestia, Paul F
 ; REGISTRATION NUMBER: 23,031
 ; REFERENCE/DOCKET NUMBER: GP-50011-1
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 610-407-0700
 ; TELEFAX: 610-407-0700
 ; TELEX: 846169
 ;
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 401 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ;
 ; MOLECULE TYPE: protein
 ;
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 US-09-248-715-2

 Query Match 21.9%; Score 347; DB 3; Length 401;
 Best Local Similarity 32.3%; Pred. No. 1.8e-21;
 Matches 95; Conservative 41; Mismatches 134; Indels 24; Gaps 6

 Qy 1 MDLPPQLS-----FGLYVAFAFGPLNVLAIRGATAHAHLRLTFLPSLVYALNLGCS 51
 Db 56 MDTGPDQSYSGNHWVFVSVLLTFLVGLPLNLIALVVFVGKLRPRPVADVLLNLNTAS 115
 Qy 52 DLLLTVSLPLKAVELASGAWPLPASLCVPFAVAFHFPLPYAGGGFGLAALSAGRYLGAAPP 111

Db 116 D L L L L L F P F R V E A A N G M H W P L P I L C P L S G F I F F T T Y I T A L F A A V S I E R F L S V A H P 1 7 1
 Qy 112 L G Y Q A R R P C Y S W G C A A I W A L V L C H L G L V F G L E A P G W L D H S N T S L G I N T P V N G S P V C L 1 7 1
 Db 176 L W Y K T R P L G O A G L V S V A C W I L A S N H C S V V V I E F S G D - I S H S Q G T N G - - - - - T C Y 2 2 5
 Qy 172 E A W - - - D P A S A G P A R F S U S L L L F F L P L A I T A F C Y V V G C L R A L A R S G L T H R R K L R A A W A G G 2 2 8
 Db 226 L E F R K D Q L A I L P V R L E M A V V L F V V P L I T S Y C Y S R L V M I L G R G G - S H R R Q R R V A G L L A A 2 8 4
 Qy 229 A L L T L L C V G P N A S N A S F L Y P N I L G G S W R K L G L I T G A M S V V L N P L V T C Y L G R G 2 8 2
 Db 285 T L L N F L V C G P Y N V S H V V G Y I C G E - S P A W R I Y V T L L S T I N S C V D P F V Y Y F S S G 3 3 7

RESULT 6
 US-09-248-715-2
 ; Sequence 2, Application US/09248715
 ; Patent No. 6277960
 ; GENERAL INFORMATION:
 ; APPLICANT: BERGSMAN, DEREK
 ; SATHE, GANESH M.
 ; FUETTERER, WENDY
 ; MAO, JOYCE
 ;
 ; TITLE OF INVENTION: CDNA CLONE HNFY20 THAT ENCODES
 ; A NOVEL HUMAN 7-TRANSMEMBRANE RECEPTOR
 ;
 ; NUMBER OF SEQUENCES: 2
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Ratner & Prestia
 ; STREET: P.O. Box 980
 ; CITY: Valley Forge
 ; STATE: PA
 ; COUNTRY: USA
 ; ZIP: 19482
 ;
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: Fast-Seq for Windows Version 2.0
 ;
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/248,715
 ; FILING DATE: 09-Feb-1999
 ; CLASSIFICATION: UNKNOWN
 ;
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/820,521
 ; FILING DATE: 19-MAR-1997
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Prestia, Paul F
 ; REGISTRATION NUMBER: 23,031
 ; REFERENCE/DOCKET NUMBER: GP-50011-1
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 610-407-0700
 ; TELEFAX: 610-407-0700
 ; TELEX: 846169
 ;
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 401 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 US-09-248-715-2

Query Match 21.9%; Score 347; DB 3; Length 401;
 Best Local Similarity 32.3%; Pred. No. 1.8e-21;
 Matches 95; Conservative 41; Mismatches 134; Indels 24; Gaps 6

Qy 1 MDLPPQLS-----FGLYVAFAFGPLNVLAIRGATAHAHLRLTFLPSLVYALNLGCS 51
 Db 56 MDTGPDQSYSGNHWVFVSVLLTFLVGLPLNLIALVVFVGKLRPRPVADVLLNLNTAS 115
 Qy 52 DLLLTVSLPLKAVEALASGAWPLPASLCVPFAVAFHFFPLPYAGGGFLLAALSAGRYLGAAPP 111

	: : : : :	
Db	116 D L L L L F P F R V E A A N G M H P L P I C L S G F I F T T I V L T A L F L A A V S I E R F L S V A H P	175
Qy	112 L G V Q A P R R C Y S M G V C A A I W A L V L C H L G L V G L R A P G G W L D H S N T S I G I N T P N G S P V C L	171
Db	176 L M Y K T R P R L Q G A G L V S V A C W L I A S A H C S V W V V I E F S G D - I S H S Q G T N G -----T C Y	225
Qy	172 E A W ---D P A S A G P A R F S L S L L F F L P L A I T A F C Y V G C L R A L A R S G L T H R R K L R A A V A G G	228
Db	226 L E F R K D Q T A I L L P V E L M A V L F V V P L I I T S C Y S R L V W I L G R G G - S H R Q R R V A G L L A A	284
Qy	229 A L I L T L L C V G P N A S N V A S F L Y P N L G G S W R K L G I I T G A W S V L N P I Y T G V L G R G	282
Db	285 T U L N F L V C G P N V H V G Y I T C G E - S P A M R I Y V T L L S T L N S C N D P F Y Y V S S S G	337

RESULT 7
 US-09-170-496D-274
 ; Sequence 274, Application US/09170496D
 ; Patent No. 6555339
 ; GENERAL INFORMATION:
 ; APPLICANT: Behan, Dominic P.
 ; APPLICANT: Chalmers, Derek T.
 ; APPLICANT: Liaw, Chen W.
 ; TITLE OF INVENTION: No. 6555333-Endogenous, Constitutively Activated Human G Protein-
 ; TITLE OF INVENTION: Receptors
 ; FILE REFERENCE: AREN-0040
 ; CURRENT APPLICATION NUMBER: US/09/170,496D
 ; CURRENT FILING DATE: 1998-10-13
 ; NUMBER OF SEQ ID NOS: 294
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 274
 ; LENGTH: 346
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-170-496D-274

```

Query Match      21.6%; Score 342; DB 4; Length 346;
Best Local Similarity 32.0%; Pred. No. 4e-21;
Matches 94; Conservative 41; Mismatches 135; Indels 24; Gaps 6;

QY      1 MDLPPQLS-----FGHYVAAFALGFPLNLVLAIRGATAHAHRLRTPSLVYALNLGCS 51
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      1 MDTGPDQSYFSGNHFVFSYLLTFVLGFLPLNLALVVFVKLQRRVAVDVLLNLNTAS 60

QY      52 DLLLTLSLPLKVAEALASGAWLPASLCPPFAVAFHFFPLVAGGCGFLAALSAGRYLGAFFP 111
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      61 DLLLTLPLFRVWEANGMHWLPFLICLPUGGPIFFTTIYLTALFLAAVSTIERFLSVAHP 120

QY      112 LGYQAFRRPCYSWGVCAAIWALVLCGLGVFLEAPGGWLHDHSTSLGINTPVNGSPVCL 171
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      121 LWKTRPLRQAGLVSVACWLLASAHCSVVVIEFSGD--TSHSQGTNG-----TCY 170

QY      172 EAW---DPASAGPARFSLSLLLPFLPIATFACVYVGCRLARLSGLTHRRKLRAAWVAGG 228
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      171 LEFRKQDLAILLPVRLMAVVLFWVPLIITSYCVSRVLWILGRGG--SHRRQRRVKGLAA 229

QY      229 ALLTLLLCVGPYNASVASFLYPNLGGSWRKGLGITGAWSVVLNPLVTYGLGRG 282
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      230 TLLNFLVCFGPYNSHVVGVIQGE--SPAWRIYVTLTSLNSCDVPFFVYFSSSG 282
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

```

```

RESULT 8
US-09-187-710-2
; Sequence 2, Application US/09187710A
; Patent No. 6180365
; GENERAL INFORMATION:
; APPLICANT: LANE, PAMELA
; APPLICANT: TSUI, PING
; APPLICANT: ELSHOURBAGY, NABIL
; APPLICANT: VAWTER, LISA
; TITLE OF INVENTION: MOUSE 7-TRANSMEMBRANE RECEPTOR GPR43
; FILE REFERENCE: GP-70566

```

```
; CURRENT APPLICATION NUMBER: US/09/187,710A
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 330
; TYPE: PRT
; ORGANISM: HOMO SAPIENS
US-09-187-710-2

Query Match          21.5%; Score 340.5; DB 3; Length 330;
Best Local Similarity 30.9%; Pred.No.5.le=21;
Matches 99; Conservative 45; Mismatches 129; Indels 47

QY      12 YVAFAALGCFPLNLVLAIRGATAHARL--RLTPSLVLYALNLCSDLLLTWSLPKLR
|       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
Db      14 YILIFLTGLPANLLALRAFMEGRVPQPAPVHILLNLTLADLLLLLLLLEPRF
|       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
QY      71 AWPUPASLCPCVFVAHFHPPLYAGGGFLAALSAGRVLGAAPPYGQAFRRRCY
|       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
Db      74 RWYLPKIVCALTGFGYSSIVCYSTWLLAGISMERVLGVAFPVQYKLRSRRLPY
|       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
QY     131 --WALVLIChlgLVGLEAPGWdHSNTslgINTPVNGSPVCLAWDPASAg
|       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
Db     132 VAMIMSGHCHTIIVIQQ-----YLNSTEQVGT--ENOITCYENFTQEOLD
|       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
QY     186 LSLLLFFLP LAITAFcy---VGCLRARSGLTHRRKLRAAwvaggALLTLL
|       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
Db     183 LCLVLFVPMAVTTFcYWRFfWMILTQHVGQAORRR--RAVGLAVVTLNFL
|       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
QY     243 SNVASFIYPNLGGSWRKlglITGaWSVVlnPIV-----
|       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
Db     241 SHLVGF-YLRQSPSMRWVEAvvfssLnAsLDPLLfyfSSSVWRBAFGKGLLI
|       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
QY     280 GRGPGLTKTVCAARTQGGSQ 299
|       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
Db     300 GRG-AKETVEGTKMDRGGSQ 318
|       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

RESULT 9
US-08-788-750-2
; Sequence 2, Application US/08788750
; Patent No. 5910430
; GENERAL INFORMATION:
; APPLICANT: Ellis, Catherine
; TITLE OF INVENTION: No. 5910430el G-Protein Coupled Receptor
; TITLE OF INVENTION: (HTADX50)
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Smithline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/788,750
; FILING DATE: 24-JAN-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Han, William T
; REGISTRATION NUMBER: 34,344
; REFERENCE/DOCKET NUMBER: ATG50048
; TELECOMMUNICATION INFORMATION:
```

TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 330 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-788-750-2

Query Match	21.0%	Score 332;	DB 2;	Length 330;
Best Local Similarity	31.0%;	Pred. NO. 2.6e-20;		
Matches 93;	Conservative	53;	Mismatches 120;	Indels 34;
				Gaps 12

Qy	12	YVAAFALGFPLVNLVLAIRGATHARL-RUTPSLVVAINLGCSDLLLTVSLPKAVEALASG	70
Db	14	YIIIFLTGLPANLLALAFVGRIRIQPOQAPVPHILLSTLADLLLLLPFKRIIEAASFN	73
Qy	71	AWPLPASLCPVFAVAHFPLVAGGFFLAALAGRYLGAAPFLGYOAFRRPCYSWCVCAAI	130
Db	74	RWYLPKVCALTSFGFYSSIVCSWTLLAGISERYLGVAFVQYKLSRPLY--GVIAAL	131
Qy	131	--WALVICHGLVLFGLEAPGWLHDHSNTSLGINTVNGSPV-CLAEWDPASAG---PARF	184
Db	132	VAWMSFGCHTIVTIQ-----YLNTTEQVR---SGNEITCVENFTDNLDDVVLVPL	181
Qy	185	SLSLLLPFLPLAITAFCY--VGCILARALARGSLTHRRKLRAWVAGGALLTLILCVGPVN	241
Db	182	ELCULVFFIPMAVITFCVWRFWIMLSQPLVGAQRR--RAVGLAVTLLMFLVFCFGPIN	239
Qy	242	ASNVSFLYPNLGGSGRWKLGITGAWSVYLNPLVTGYLGR-----GPKLTKVCAARTQG	295
Db	240	VSHLVGY-HORKSPWRSIAVVFSSLNASLDPLLYFFSSSVVRFAFGSLGVL---RNOG	295

```

RESULT 10
US-09-170-496D-258
; Sequence 258, Application US/09170496D
; Patent No. 6555339
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protein-
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AFEN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 258
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-170-496D-258

```

Query Match	21.0%	Score 332;	DB 4;	Length 330;
Best Local Similarity	31.0%;	Pred. No. 2.6e-20;		
Matches 93;	Conservative	53;	Mismatches 120;	Indels 34;
				Gaps 12

Qy		12	YVAAFALGFPLNLVLAIRGATAHABL-RLTPSLVVALNLGCSDLLLTSLPLKAVEALASG	70
Dd		14	YIIIFLTGLPANLALLAFAVGRIQPQPAPVHILLLSLTADLLLLLLLPPKIIEAASF	73
Qy		71	AWLPASLCPVFAVHAFFPLYAGGGFLAALSAGRYLGAAFPGLGQAFFRCPYSWGVCACAI	130
Dd		74	RWYLPKVVCALTSEGFYSIYCSTWLLAGISIERYLGVAFPQVKLSRRPLY-GVIAAL	131
Qy		131	--WALVLCHLGLVFLEAPGWLDSNTSLGINTPVNGSPV-CLEAWDPASAG----	PARF 184
Dd		132	VAVTMSFGCHCTIVIVO-----YLNTEOVR---SGNEITCYENFTDNLDDVLPVRL	181

Qy	185	SLSLILFFLP	PLATAFQY	-----VGC	LALARSGL	THRRKLR	RAAVAGG	ALLTL	LLLCV	GPYN	241		
Db	182	ELCVLFFI	PMAVTIF	FCYWR	FVIMLSQ	PLVGA	QRRR--	RAVGL	AVTLL	NFLV	CFGPYN	239	
Qy	242	ASNVSFLY	PNLGGS	WRKGLI	ITGAW	SVNLPL	VTYGL	GR-----	GPGLT	VCAR	TQG	295	
Db	240	VSHLVGY	-HQKSP	WRSIAV	FESS	LNASLD	PLLFY	FSSSV	VVR	RAFGR	GLQVL---	RNQG	295

RESULT 11

US-09-170-496D-276
; Sequence 276, Application US/09170496D
; Patent No. 6555339

```

; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. 6555339-Endogenous
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 276
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-170-496D-276

```

Query Match 20.9%; Score 331; DB 4; Length 330;
Best Local Similarity 31.0%; Pred. No. 3.2e-20;
Matches 93; Conservative 53; Mismatches 120; Indels

Qy	12	YVAAFGFPFLNVLAIKGAHTAHRL-RLTSPSLVVVALNLCGSDLLLTLSVLPKAVEALASG	70
Db	14	YIIIFTGLPANLIALAFVGRIRIQOPAPPHILLLSLTLLADLLLLLPFKIIEAASNF	73
Qy	71	AWPLPASLCVFEEVAHFPPFLYAGGGFLLAASAGRYLGAAPPLGYOAPRRPCVSMGVCAAI	130
Db	74	RWYLPKVCALITSEGFYSSYICSTWLLAGISIERYLGVAPFVQYKLSRRPLY--GVIAAL	131
Qy	131	--WALVLCGLHGVFLGPAEGCWLDSNTSLGINTPPVNGSPV-CLEAWDPPASAG---PARF	184
Db	132	VAWMSFGHCTIIVIQ-----YLNTTEQVR---SGNEITCYENFTDNLVDVLPVRL	181
Qy	185	SLSLILLFFLPALATFCY---VGCRLRALRSGLTHRRKLRAAWAGGALLTLTLLLCVGPVN	241
Db	182	ELCLVLFFIPMAVTFICYWTFVWMLSQPLVGAQRRR--RAKGLAVVTLLNLFVLCFGPVN	239
Qy	242	ASNVASFLYNLGGSRWKLGLITGAWSVNLNPLVTGYLGR-----GPGLTKVCAARTQG	295
Db	240	VSHLVGY-HORKSPWRSIAVWFSSNLNLSIDPLLFYFSSSVRRAFGRGLV---RMQG	295

RESULT 12

```

US-09-152-060-104
; Sequence 104, Application US/09152060
; Patent No. 6448230
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 28 Human Secreted Proteins
; FILE REFERENCE: PZ003PL.US
; CURRENT APPLICATION NUMBER: US/09/152,060
; CURRENT FILING DATE: 1998-09-11
; EARLIER APPLICATION NUMBER: PCT/US98/04858
; EARLIER FILING DATE: 1998-03-12
; EARLIER APPLICATION NUMBER: 60/040,762
; EARLIER FILING DATE: 1997-03-14
; EARLIER APPLICATION NUMBER: 60/040,710
; EARLIER FILING DATE: 1997-03-14
; EARLIER APPLICATION NUMBER: 60/050,934
; EARLIER FILING DATE: 1997-05-30

```

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/ EARLIER APPLICATION NUMBER: 60/048,100
/ EARLIER FILING DATE: 1997-05-30
/ EARLIER APPLICATION NUMBER: 60/048,357
/ EARLIER FILING DATE: 1997-05-30
/ EARLIER APPLICATION NUMBER: 60/048,189
/ EARLIER FILING DATE: 1997-05-30
/ EARLIER APPLICATION NUMBER: 60/057,765
/ EARLIER FILING DATE: 1997-09-05
/ EARLIER APPLICATION NUMBER: 60/048,970
/ EARLIER FILING DATE: 1997-06-06
/ EARLIER APPLICATION NUMBER: 60/068,368
/ EARLIER FILING DATE: 1997-12-19
/ NUMBER OF SEQ ID NOS: 118
/ SOFTWARE: Patent In Ver. 2.0
/ SEQ ID NO 104
/ LENGTH: 330
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: SITE
/ LOCATION: (7)
/ OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
/ FEATURE:
/ NAME/KEY: SITE
/ LOCATION: (147)
/ OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
/ FEATURE:
/ NAME/KEY: SITE
/ LOCATION: (181)
/ OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
/ FEATURE:
/ NAME/KEY: SITE
/ LOCATION: (190)
/ OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
/ FEATURE:
/ NAME/KEY: SITE
/ LOCATION: (260)
/ OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
/ US-09-152-060-104

```

Query Match	20.3%;	Score 322;	DB 4;	Length 330;
Best Local Similarity	31.0%;	Pred. No. 1.9e-13;		
Matches	93;	Conservative 50;	Mismatches 123;	Indels 34; Gaps 12

Qy	12	YVAAPALGPPLNVLAIRGATAHARL-RLTPSLVVALNIGCSDLLLTVSLPKAVEALASG	70
Db	14	YIIIFUTGLFANLLAURAFAVGRIHQPOPAAPHVILLLSLTLADLLLLLLFPFKIIEASNF	73
Qy	71	AWPLPASLCPPVEFAVAHFPLYVAGGGFLAAISAGRYLGNAFPGLGYOAFRRPCSYSGWCAAI	130
Db	74	RWLVPKVCALTISFGFYSSIVCYSTWLLAGISIERLYGVAFPVKYSRRPLY--GVIALR	131
Qy	131	--WALVLCHLGLVFGLEAPGGWLDHSNTSLGINTPVNGSPV-CLEAWDPASAG---PARF	184
Db	132	VAVWSFGHTVIIXQ-----YLNTTEQVR---SGNEITCYENFTDQLDVLPVEX	181
Qy	185	SISLLLFPLPIAITACY---VGCRLARALSGLTHRRKLRAAWVAGGALLTLLCVGPN	241
Db	182	ELCLVLFFXPMATVTFYCWRFWIMLSQPLVGAQRER--RAVGLAVVTLLNFLVFCGPN	239
Qy	242	ASNVASFLYPNLGGSRWKGLGITGAWSVVNLPIVTGYLGR-----GPGLKTVCAARTQG	295
Db	240	VSHLVGY-HQRKSPWRSIAVFXFSNLASDLPLIFYFSSSVRRRAFQRGQLV----RNQG	295

RESULT 13
US-09-053-866-2
; Sequence 2, Application US/09053866
; Patent No. 6111075
; GENERAL INFORMATION:
; APPLICANT: Xu, Wenfeng
; APPLICANT: Pressnell, Scott R.
; APPLICANT: Yee, David P.
;

```

1  ;
2  APPLICANT: Foster, Donald C.
3  ;
4  TITLE OF INVENTION: PROTEASE-ACTIVATED RECEPTOR
5  ;
6  TITLE OF INVENTION: PAR4 (ZCHEMR2)
7  ;
8  NUMBER OF SEQUENCES: 12
9  ;
10 ;
11 CORRESPONDENCE ADDRESS:
12 ;
13 ;
14 ADDRESSEE: ZymoGenetics, Inc.
15 ;
16 STREET: 1201 Eastlake Avenue East
17 ;
18 CITY: Seattle
19 ;
20 STATE: WA
21 ;
22 COUNTRY: USA
23 ;
24 ZIP: 98102
25 ;
26 COMPUTER READABLE FORM:
27 ;
28 MEDIUM TYPE: Diskette
29 ;
30 COMPUTER: IBM Compatible
31 ;
32 OPERATING SYSTEM: DOS
33 ;
34 SOFTWARE: FastSeq for Windows Version 2.0
35 ;
36 CURRENT APPLICATION DATA:
37 ;
38 APPLICATION NUMBER: US/09/053,866
39 ;
40 FILING DATE:
41 ;
42 CLASSIFICATION:
43 ;
44 PRIOR APPLICATION DATA:
45 ;
46 APPLICATION NUMBER:
47 ;
48 FILING DATE:
49 ;
50 ATTORNEY/AGENT INFORMATION:
51 ;
52 NAME: Leith, Debra K
53 ;
54 REGISTRATION NUMBER: 32,619
55 ;
56 REFERENCE/DOCKET NUMBER: 98-10
57 ;
58 TELECOMMUNICATION INFORMATION:
59 ;
60 TELEPHONE: 206-442-6674
61 ;
62 TELEFAX: 206-442-6678
63 ;
64 TELEX:
65 ;
66 INFORMATION FOR SEQ ID NO: 2:
67 ;
68 SEQUENCE CHARACTERISTICS:
69 ;
70 LENGTH: 385 amino acids
71 ;
72 TYPE: amino acid
73 ;
74 STRANDEDNESS: single
75 ;
76 TOPOLOGY: linear
77 ;
78 MOLECULE TYPE: protein
79 ;
80 FRAGMENT TYPE: internal
81 ;
82 US-09-053-866-2

```

Query Match	14.6%	Score 231.5;	DB 3;	Length 385;	
Best Local Similarity	24.9%;	Pred. No. 9.9e-12;			
Matches	88;	Conservative 29;	Mismatches 123;	Indels 113; Gaps 8;	
QY	3	LPQLSGLVAAFAFGFLNVLAI	RG-ATAHARLRLTPSI	VVAALNGCSDLLLTLSLPL 61	
DB	75	VPTRLVPALVGLVVLGSPANGALW	VLVIAQAPRL---PSTMLLMN	UATADLLALALPP 131	
QY	62	KAVEALASGAWPLPASICPVFAV	AHFPFLPYAGGGFLAAL	SAGRVLGAAPFLGYQAFRRPC 121	
DB	132	RIAYHLRGQRWPFGEACRLATA	LYALGHMYGSVLLLA	AAVSLDRLVLAHVPLRAEALRGRR 191	
QY	122	YSGVGVCAAIWAL---	-----VLCHGLGVFGLEAP	GGWLDHNSLTLG 159	
DB	192	LALGLCMAAWLMAAALPLTL	QRTQFLRARS	DRVLC	HDALPLDAQA----- 238
QY	160	INTPVNGSPVCLEAWDPAS	GPAPFSLILLFLPLAITAF	CVYGCRLARALSGLTHRRK 219	
DB	239	-----SHWQPAFT---	-----CUALIGCFPL	LMLLCYGATLHTLAASGRRYGHA 281	
QY	220	LR-----	-----AAWVAGGALLTL	LLCCVGPYNAS 243	
DB	282	LRLTAVVLASAVAFFVPSN	LLLLLHYSDPSPSAWGNLY	GAVVP	SLALSTLNSCVDP--- 337
QY	244	NVASFLYPNIGGSWRK	LGLITGAWSVVNLVT	GYLGRGFGKTVCAARTQGG 296	
DB	338	-----FIYYVSAFPR-----	-----DKVRAGL	FORSPGCDTVASASAEQG 373	

RESULT 14
US-09-479-130-2
; Sequence 2, Application US/09479130

Patent No. 5436400
GENERAL INFORMATION:
APPLICANT: Xu, Wenfeng
APPLICANT: Presnell, Scott R.
APPLICANT: Yee, David P.
APPLICANT: Foster, Donald C.
TITLE OF INVENTION: PROTEASE-ACTIVATED RECEPTOR
TITLE OF INVENTION: PAR4 (ZCHEMR2)
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: ZymoGenetics, Inc.
STREET: 1201 Eastlake Avenue East
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98102
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/479,130
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Leith, Debra K
REGISTRATION NUMBER: 32,619
REFERENCE/DOCKET NUMBER: 98-10
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-442-6674
TELEFAX: 206-442-6678
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 385 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-09-479-130-2

Query Match 14.6%; Score 231.5; DB 4; Length 385;
Best Local Similarity 24.9%; Pred. No. 9.9e-12;
Matches 88; Conservative 29; Mismatches 123; Indels 113; Gaps 8;
QY 3 LPPQLSFGLYVAAPALGFPPLNVLAIRG-ATAHARLRLTSPSLVYALNLGCSDDLTLTVSLPL 61
Db 75 VPTRLVPALYGLVVLVGLPANGALWVLTATQAPRL---PSTMLLMNLATADLLALALPP 131
QY 62 KAVEALASGAWPLPASLCPVFAVAFHFFPLYAGGGFLAALASGRYLGAAPPLGVOAQRPPC 121
Db 132 RIAYHLRGQRWPFGEACRLATAALYGHMYGSVLLAAVSLDRYLALVHLPLRARALRGRR 191
QY 122 YSWGVCATIAWAL-----VLCHLGLVFGLEAPGGLDHSNTSLG 159
Db 192 LALGLCMAAWLMAAALPLTLQRTQRLARSRLVCHDALPLDAQA-----238
QY 160 INTPVNGSPVCLAWDPASAGPARFSLSLFLPLAITAFICYVGCRLARASGLTHRRK 219
Db 239 -----SHWQPAPT-----CLALLGCFPLLAMLLCYGATLHTLAASGRRYGHA 281
QY 220 LR-----AAWVAGGALLTLILCVGPYNAS 243
Db 282 LRLTAVVLASAVAFVPSNLLLLHYSDPSPSAWGNLYGAYVPSLALSTLNSCVDP-----337
QY 244 NVASFLYPLNIGGSRKGLGITGAWSVVLNPLVTGYLGRGPGKLTVCVAARTQGG 296
Db 338 -----FIYYVSAEFR-----DKVRAGLFQRPSPGDTVASKASAEGB 373

RESULT 15
US-09-472-130A-2
Sequence 2, Application US/094721130A
Patent No. 6473765
GENERAL INFORMATION:
APPLICANT: Xu, Wenfeng
APPLICANT: Presnell, Scott R.
APPLICANT: Yee, David P.
APPLICANT: Foster, Donald C.
TITLE OF INVENTION: PROTEASE-ACTIVATED RECEPTOR PAR4
TITLE OF INVENTION: (ZCHEMR2)
FILE REFERENCE: 98-10D2
CURRENT APPLICATION NUMBER: US/09/472,130A
CURRENT FILING DATE: 2000-01-07
PRIOR APPLICATION NUMBER: US 09/053,866
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 21
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 385
TYPE: PRT
ORGANISM: Homo sapiens
US-09-472-130A-2

Query Match 14.6%; Score 231.5; DB 4; Length 385;
Best Local Similarity 24.9%; Pred. No. 9.9e-12;
Matches 88; Conservative 29; Mismatches 123; Indels 113; Gaps 8;
QY 3 LPPQLSFGLYVAAPALGFPPLNVLAIRG-ATAHARLRLTSPSLVYALNLGCSDDLTLTVSLPL 61
Db 75 VPTRLVPALYGLVVLVGLPANGALWVLTATQAPRL---PSTMLLMNLATADLLALALPP 131
QY 62 KAVEALASGAWPLPASLCPVFAVAFHFFPLYAGGGFLAALASGRYLGAAPPLGVOAQRPPC 121
Db 132 RIAYHLRGQRWPFGEACRLATAALYGHMYGSVLLAAVSLDRYLALVHLPLRARALRGRR 191
QY 122 YSWGVCATIAWAL-----VLCHLGLVFGLEAPGGLDHSNTSLG 159
Db 192 LALGLCMAAWLMAAALPLTLQRTQRLARSRLVCHDALPLDAQA-----238
QY 160 INTPVNGSPVCLAWDPASAGPARFSLSLFLPLAITAFICYVGCRLARASGLTHRRK 219
Db 239 -----SHWQPAPT-----CLALLGCFPLLAMLLCYGATLHTLAASGRRYGHA 281
QY 220 LR-----AAWVAGGALLTLILCVGPYNAS 243
Db 282 LRLTAVVLASAVAFVPSNLLLLHYSDPSPSAWGNLYGAYVPSLALSTLNSCVDP-----337
QY 244 NVASFLYPLNIGGSRKGLGITGAWSVVLNPLVTGYLGRGPGKLTVCVAARTQGG 296
Db 338 -----FIYYVSAEFR-----DKVRAGLFQRPSPGDTVASKASAEGB 373

Search completed: August 26, 2005, 10:56:22
Job time : 24 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: August 26, 2005, 10:51:36 ; Search time .64 Seconds
(without alignments)
1841.842 Million cell updates/sec

Title: US-10-202-687-2

Perfect score: 1584

Sequence: 1 MDLPQLSFGLYVAALGF.....RPGKLTVCARTQGGKSK 300

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1767149 seqs, 392926209 residues

Total number of hits satisfying chosen parameters: 1767149

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA.*

1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
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7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep.*
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22: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1584	100.0	300	14	US-10-251-385-250
2	1584	100.0	300	14	US-10-225-567A-475
3	1584	100.0	300	14	US-10-029-386-33080
4	1584	100.0	300	15	US-10-202-687-2
5	1584	100.0	300	16	US-10-451-007B-2
6	1584	100.0	300	17	US-10-504-726-5
7	1584	100.0	300	17	US-10-505-486-15
8	1579	99.7	300	14	US-10-251-385-272
9	1519	95.9	300	17	US-10-504-726-17
10	1333	84.2	300	16	US-10-451-007B-4
11	1333	84.2	300	17	US-10-504-726-1
					Sequence 250, App
					Sequence 475, App
					Sequence 33080, A
					Sequence 2, Appli
					Sequence 5, Appli
					Sequence 15, Appl
					Sequence 272, App
					Sequence 17, Appl
					Sequence 4, Appli
					Sequence 1, Appli

12	1320	83.3	300	17	US-10-504-726-3	Sequence 3, Appli
13	1295	81.8	300	17	US-10-504-726-29	Sequence 29, Appl
14	366	23.1	346	14	US-10-203-539-4	Sequence 4, Appli
15	366	23.1	346	16	US-10-408-765A-643	Sequence 643, App
16	347	21.9	346	14	US-10-251-385-254	Sequence 254, App
17	347	21.9	346	14	US-10-225-567A-605	Sequence 605, App
18	347	21.9	346	14	US-10-203-539-2	Sequence 2, Appli
19	347	21.9	346	14	US-10-789-241-26	Sequence 26, Appl
20	347	21.9	401	14	US-10-029-386-33898	Sequence 33898, A
21	342	21.6	346	14	US-10-251-385-274	Sequence 274, App
22	340.5	21.5	330	14	US-10-348-150-2	Sequence 2, Appli
23	334	21.1	330	14	US-10-348-150-4	Sequence 4, Appli
24	332	21.0	330	14	US-10-251-385-258	Sequence 258, App
25	332	21.0	330	14	US-10-225-567A-467	Sequence 467, App
26	332	21.0	330	14	US-10-337-992-2	Sequence 2, Appli
27	332	21.0	330	14	US-10-029-386-34068	Sequence 34068, A
28	332	21.0	330	16	US-10-789-241-28	Sequence 28, Appl
29	331	20.9	330	14	US-10-251-385-276	Sequence 276, App
30	322	20.3	330	9	US-09-853-161-104	Sequence 104, App
31	322	20.3	330	9	US-09-852-659A-104	Sequence 104, App
32	322	20.3	330	9	US-09-852-797-104	Sequence 104, App
33	322	20.3	330	15	US-10-058-993-104	Sequence 104, App
34	298.5	18.8	319	14	US-10-203-539-6	Sequence 6, Appli
35	244	15.4	420	14	US-10-081-810-41	Sequence 41, Appl
36	231.5	14.6	385	14	US-10-081-810-43	Sequence 43, Appl
37	231.5	14.6	385	14	US-10-225-567A-516	Sequence 516, App
38	231.5	14.6	385	14	US-10-187-049-2	Sequence 2, Appli
39	231.5	14.6	385	17	US-10-872-198-113	Sequence 113, App
40	231.5	14.6	385	20	US-11-021-951-113	Sequence 113, App
41	228	14.4	384	16	US-10-488-038-8	Sequence 8, Appli
42	228	14.4	425	9	US-09-782-980-80	Sequence 80, Appl
43	228	14.4	425	9	US-09-884-430-4	Sequence 4, Appli
44	228	14.4	425	14	US-10-127-691-7	Sequence 7, Appli
45	228	14.4	425	14	US-10-081-810-42	Sequence 42, Appl

ALIGNMENTS

RESULT 1

US-10-251-385-250
; Sequence 250, Application US/10251385
; Publication No. US20030105292A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. US20030105292A1-Endogenous, Constitutively Activated Human G
; TITLE OF INVENTION: Protein-Coupled
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/10/251,385
; CURRENT FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: US/09/170,496
; PRIOR FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 250
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-251-385-250

Query Match	100.0%	Score 1584;	DB 14;	Length 300;
Best Local Similarity	100.0%	Pred. No. 5.7e-136;		
Matches 300;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	MDLPQLSFGLYVAALGFPLNVLAIKGATAHARLRLTPSLVYALNLCGSDLLLTSLP	60	
Db	1	MDLPQLSFGLYVAALGFPLNVLAIKGATAHARLRLTPSLVYALNLCGSDLLLTSLP	60	
Qy	61	LKAVBALAGAWPLPASLCPVFAHFFPLVAGGFLAALSAGRYLGAAPFLGYQAFRRP	120	

Db 61 LKAVEALASGAWPLPASLCPVFAVAHFFPLYAGGGFLAALSAGRYLGAFFPLGYQAFRRP 120
QY 121 CYSWGVCAAIWAIVLCHLGVFLGAPGCGWLDHNSNTSLGINTPVGSPVCLEAWDPASAG 180
Db 121 CYSWGVCAAIWAIVLCHLGVFLGAPGCGWLDHNSNTSLGINTPVGSPVCLEAWDPASAG 180
QY 181 PARFSLSLLLFFPLAITAFVCVGCCLRALRALSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
Db 181 PARFSLSLLLFFPLAITAFVCVGCCLRALRALSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
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Db 241 NASNVASFLYPNLGGSWRKGLITGAWSVVLNPLVTGYLGRGPGGLKTVCAARTQGKSKQ 300

RESULT 2
US-10-225-567A-475
; Sequence 475, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: LifeSpan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burner, Glenna C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 475
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-475

Query Match 100.0%; Score 1584; DB 14; Length 300;
Best Local Similarity 100.0%; Pred. No. 5.7e-136;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 MDLPOLSFGLYVAAPALGFPLNVLAIARGATAHARLRLTPSLVYALNLGCSDLLLTLSLP 60
QY 61 LKAVEALASGAWPLPASLCPVFAVAHFFPLYAGGGFLAALSAGRYLGAFFPLGYQAFRRP 120
Db 61 LKAVEALASGAWPLPASLCPVFAVAHFFPLYAGGGFLAALSAGRYLGAFFPLGYQAFRRP 120
QY 121 CYSWGVCAAIWAIVLCHLGVFLGAPGCGWLDHNSNTSLGINTPVGSPVCLEAWDPASAG 180
Db 121 CYSWGVCAAIWAIVLCHLGVFLGAPGCGWLDHNSNTSLGINTPVGSPVCLEAWDPASAG 180
QY 181 PARFSLSLLLFFPLAITAFVCVGCCLRALRALSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
Db 181 PARFSLSLLLFFPLAITAFVCVGCCLRALRALSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
QY 241 NASNVASFLYPNLGGSWRKGLITGAWSVVLNPLVTGYLGRGPGGLKTVCAARTQGKSKQ 300
Db 241 NASNVASFLYPNLGGSWRKGLITGAWSVVLNPLVTGYLGRGPGGLKTVCAARTQGKSKQ 300

RESULT 3
US-10-029-386-33080
; Sequence 33080, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO

; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
; SEQ ID NO 33080
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO UC2631.1
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.89
; OTHER INFORMATION: SWISSPROT HIT: O14842, EVALUE 0.00e+00
US-10-029-386-33080

Query Match 100.0%; Score 1584; DB 14; Length 300;
Best Local Similarity 100.0%; Pred. No. 5.7e-136;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 MDLPOLSFGLYVAAPALGFPLNVLAIARGATAHARLRLTPSLVYALNLGCSDLLLTLSLP 60
QY 61 LKAVEALASGAWPLPASLCPVFAVAHFFPLYAGGGFLAALSAGRYLGAFFPLGYQAFRRP 120
Db 61 LKAVEALASGAWPLPASLCPVFAVAHFFPLYAGGGFLAALSAGRYLGAFFPLGYQAFRRP 120
QY 121 CYSWGVCAAIWAIVLCHLGVFLGAPGCGWLDHNSNTSLGINTPVGSPVCLEAWDPASAG 180
Db 121 CYSWGVCAAIWAIVLCHLGVFLGAPGCGWLDHNSNTSLGINTPVGSPVCLEAWDPASAG 180
QY 181 PARFSLSLLLFFPLAITAFVCVGCCLRALRALSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
Db 181 PARFSLSLLLFFPLAITAFVCVGCCLRALRALSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
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Db 241 NASNVASFLYPNLGGSWRKGLITGAWSVVLNPLVTGYLGRGPGGLKTVCAARTQGKSKQ 300

RESULT 4
US-10-202-687-2
; Sequence 2, Application US/10202687
; Publication No. US20040019109A1
; GENERAL INFORMATION:
; APPLICANT: OMNIA, CHRISTER
; APPLICANT: OLDE, BJORN
; APPLICANT: KOTARSKY, KNU
; APPLICANT: NILSSON, NICLAS
; APPLICANT: FLODGRN, ERIK
; TITLE OF INVENTION: METHODS OF IDENTIFYING COMPOUNDS AFFECTING FATTY ACID
; TITLE OF INVENTION: METABOLISM
; FILE REFERENCE: 07675.0007 SEQUENCE LISTING
; CURRENT APPLICATION NUMBER: US/10/202,687
; CURRENT FILING DATE: 2002-07-24
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-202-687-2

Query Match 100.0%; Score 1584; DB 15; Length 300;
Best Local Similarity 100.0%; Pred. No. 5.7e-136;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 MDLPOLSFGLYVAAPALGFPLNVLAIARGATAHARLRLTPSLVYALNLGCSDLLLTLSLP 60
QY 61 LKAVEALASGAWPLPASLCPVFAVAHFFPLYAGGGFLAALSAGRYLGAFFPLGYQAFRRP 120

Db 61 LKAVEALASGAWPLPASLCPVFAVAFHFFPLYAGGGFLAALSAGRYLGAAPFLGYQAFRRP 120
QY 121 CYSWGVCAAIWAIVLCHLGVFLGAPGGWLDHSNTSLGINTPVNGSPVCLEAWDPASAG 180
Db 121 CYSWGVCAAIWAIVLCHLGVFLGAPGGWLDHSNTSLGINTPVNGSPVCLEAWDPASAG 180
QY 181 PARFSLSLLLFFFLPLAITAFYVGCCLRALARSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
Db 181 PARFSLSLLLFFFLPLAITAFYVGCCLRALARSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
QY 241 NASNVASFLYPNLGGSWRKGLITGAWSVVNLPLVTGYLGRGPGKLTVCARTQGGKSOK 300
Db 241 NASNVASFLYPNLGGSWRKGLITGAWSVVNLPLVTGYLGRGPGKLTVCARTQGGKSOK 300

RESULT 5
US-10-451-007B-2
; Sequence 2, Application US/10451007B
; Publication No. US20040137517A1
; GENERAL INFORMATION:
; APPLICANT: Glaxo Group Limited
; APPLICANT: Briscoe, Celia
; APPLICANT: Ignar, Diane
; APPLICANT: Muir, Alison
; APPLICANT: Tadayyon, Mohammed
; TITLE OF INVENTION: Method of Screening for GPR40 Ligands
; FILE REFERENCE: P32745
; CURRENT APPLICATION NUMBER: US/10/451,007B
; CURRENT FILING DATE: 2003-01-12
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-451-007B-2

Query Match 100.0%; Score 1584; DB 16; Length 300;
Best Local Similarity 100.0%; Pred. No. 5,7e-136;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDLPPLQSLFGLYVAAPALGFPLNVLAIARGATAHARLRLTPSLVYALNLGCSDLLLTVSLP 60
Db 1 MDLPPLQSLFGLYVAAPALGFPLNVLAIARGATAHARLRLTPSLVYALNLGCSDLLLTVSLP 60
QY 61 LKAVEALASGAWPLPASLCPVFAVAFHFFPLYAGGGFLAALSAGRYLGAAPFLGYQAFRRP 120
Db 61 LKAVEALASGAWPLPASLCPVFAVAFHFFPLYAGGGFLAALSAGRYLGAAPFLGYQAFRRP 120
QY 121 CYSWGVCAAIWAIVLCHLGVFLGAPGGWLDHSNTSLGINTPVNGSPVCLEAWDPASAG 180
Db 121 CYSWGVCAAIWAIVLCHLGVFLGAPGGWLDHSNTSLGINTPVNGSPVCLEAWDPASAG 180
QY 181 PARFSLSLLLFFFLPLAITAFYVGCCLRALARSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
Db 181 PARFSLSLLLFFFLPLAITAFYVGCCLRALARSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
QY 241 NASNVASFLYPNLGGSWRKGLITGAWSVVNLPLVTGYLGRGPGKLTVCARTQGGKSOK 300
Db 241 NASNVASFLYPNLGGSWRKGLITGAWSVVNLPLVTGYLGRGPGKLTVCARTQGGKSOK 300

RESULT 6
US-10-504-726-5
; Sequence 5, Application US/10504726
; Publication No. US2005008966A1
; GENERAL INFORMATION:
; APPLICANT: Takeda Chemical Industries, Ltd.
; TITLE OF INVENTION: Novel Screening Method
; FILE REFERENCE: P04-071PCT
; CURRENT APPLICATION NUMBER: US/10/504,726
; CURRENT FILING DATE: 2004-08-13

; PRIOR APPLICATION NUMBER: JP 2002-037131
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: JP 2002-204163
; PRIOR FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: JP 2002-328696
; PRIOR FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: JP 2003-14032
; PRIOR FILING DATE: 2003-01-22
; NUMBER OF SEQ ID NOS: 41
; SEQ ID NO 5
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Human
US-10-504-726-5

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Best Local Similarity 100.0%; Pred. No. 5,7e-136;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 MDLPPLQSLFGLYVAAPALGFPLNVLAIARGATAHARLRLTPSLVYALNLGCSDLLLTVSLP 60
QY 61 LKAVEALASGAWPLPASLCPVFAVAFHFFPLYAGGGFLAALSAGRYLGAAPFLGYQAFRRP 120
Db 61 LKAVEALASGAWPLPASLCPVFAVAFHFFPLYAGGGFLAALSAGRYLGAAPFLGYQAFRRP 120
QY 121 CYSWGVCAAIWAIVLCHLGVFLGAPGGWLDHSNTSLGINTPVNGSPVCLEAWDPASAG 180
Db 121 CYSWGVCAAIWAIVLCHLGVFLGAPGGWLDHSNTSLGINTPVNGSPVCLEAWDPASAG 180
QY 181 PARFSLSLLLFFFLPLAITAFYVGCCLRALARSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
Db 181 PARFSLSLLLFFFLPLAITAFYVGCCLRALARSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
QY 241 NASNVASFLYPNLGGSWRKGLITGAWSVVNLPLVTGYLGRGPGKLTVCARTQGGKSOK 300
Db 241 NASNVASFLYPNLGGSWRKGLITGAWSVVNLPLVTGYLGRGPGKLTVCARTQGGKSOK 300

RESULT 7
US-10-505-486-15
; Sequence 15, Application US/10505486
; Publication No. US20050118639A1
; GENERAL INFORMATION:
; APPLICANT: Takeda Chemical Industries, Ltd.
; FILE REFERENCE: P03-0006PCT
; CURRENT APPLICATION NUMBER: US/10/505,486
; CURRENT FILING DATE: 2004-08-20
; PRIOR APPLICATION NUMBER: JP 2002-45728
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: JP 2002-213949
; PRIOR FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: JP 2002-298237
; PRIOR FILING DATE: 2002-10-11
; NUMBER OF SEQ ID NOS: 233
; SEQ ID NO 15
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Human
US-10-505-486-15

Query Match 100.0%; Score 1584; DB 17; Length 300;
Best Local Similarity 100.0%; Pred. No. 5,7e-136;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 MDLPPLQSLFGLYVAAPALGFPLNVLAIARGATAHARLRLTPSLVYALNLGCSDLLLTVSLP 60
QY 61 LKAVEALASGAWPLPASLCPVFAVAFHFFPLYAGGGFLAALSAGRYLGAAPFLGYQAFRRP 120

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Db 61 LKAVEALASGAWPLPASLCPVFAVAFHFFPLFYAGGGFLAALSAGRYLGAAFFPLGYQAFRRP 120
Qy 121 CYSWGVCAAIWAIVLCHLGVLEAPGGWLDHSHNTSLGINTPVNGSPVCLAWDPASAG 180
Db 121 CYSWGVCAAIWAIVLCHLGVLEAPGGWLDHSHNTSLGINTPVNGSPVCLAWDPASAG 180
Qy 181 PARFSLSLLLFFLPLAITAFVCVGCCLRALARSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
Db 181 PARFSLSLLLFFLPLAITAFVCVGCCLRALARSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
Qy 241 NASNVASFLYPNLGGSWRKGLITGAWSVVLNPLVTGYLGRGPGKLTVCAAARTQGGKSQK 300
Db 241 NASNVASFLYPNLGGSWRKGLITGAWSVVLNPLVTGYLGRGPGKLTVCAAARTQGGKSQK 300

RESULT 8
US-10-251-385-272
; Sequence 272, Application US/10251385
; Publication No. US20030105292A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. US20030105292A1-Endogenous, Constitutively Activated Human G
; TITLE OF INVENTION: Protein-Coupled
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/10/251,385
; PRIOR FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: US/09/170,496
; PRIOR FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 272
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-251-385-272

Query Match 99.7%; Score 1579; DB 14; Length 300;
Best Local Similarity 99.7%; Pred. No. 1.6e-135;
Matches 299; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MDLPOLSFGLYVAAFALGFFPLNVLAIRGATAHARLRLTPSLVYALNLGCSDLLLTVSLP 60
Db 1 MDLPOLSFGLYVAAFALGFFPLNVLAIRGATAHARLRLTPSLVYALNLGCSDLLLTVSLP 60
Qy 61 LKAVEALASGAWPLPASLCPVFAVAFHFFPLFYAGGGFLAALSAGRYLGAAFFPLGYQAFRRP 120
Db 61 LKAVEALASGAWPLPASLCPVFAVAFHFFPLFYAGGGFLAALSAGRYLGAAFFPLGYQAFRRP 120
Qy 121 CYSWGVCAAIWAIVLCHLGVLEAPGGWLDHSHNTSLGINTPVNGSPVCLAWDPASAG 180
Db 121 CYSWGVCAAIWAIVLCHLGVLEAPGGWLDHSHNTSLGINTPVNGSPVCLAWDPASAG 180
Qy 181 PARFSLSLLLFFLPLAITAFVCVGCCLRALARSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
Db 181 PARFSLSLLLFFLPLAITAFVCVGCCLRALARSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
Qy 241 NASNVASFLYPNLGGSWRKGLITGAWSVVLNPLVTGYLGRGPGKLTVCAAARTQGGKSQK 300
Db 241 NASNVASFLYPNLGGSWRKGLITGAWSVVLNPLVTGYLGRGPGKLTVCAAARTQGGKSQK 300

RESULT 9
US-10-504-726-17
; Sequence 17, Application US/10504726
; Publication No. US20050089866A1
; GENERAL INFORMATION:
; APPLICANT: Takeda Chemical Industries, Ltd.
; TITLE OF INVENTION: Novel Screening Method
; FILE REFERENCE: P04-071PCT
; CURRENT APPLICATION NUMBER: US/10/504,726
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; CURRENT FILING DATE: 2004-08-13
; PRIOR APPLICATION NUMBER: JP 2002-037131
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: JP 2002-204163
; PRIOR FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: JP 2002-328696
; PRIOR FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: JP 2003-14032
; PRIOR FILING DATE: 2003-01-22
; NUMBER OF SEQ ID NOS: 41
; SEQ ID NO 17
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Monkey
US-10-504-726-17

Query Match 95.9%; Score 1519; DB 17; Length 300;
Best Local Similarity 96.7%; Pred. No. 4.8e-130;
Matches 290; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy 1 MDLPOLSFGLYVAAFALGFFPLNVLAIRGATAHARLRLTPSLVYALNLGCSDLLLTVSLP 60
Db 1 MDLPOLSFGLYVAAFALGFFPLNVLAIRGATAHARLRLTPSLVYALNLGCSDLLLTVSLP 60
Qy 61 LKAVEALASGAWPLPASLCPVFAVAFHFFPLFYAGGGFLAALSAGRYLGAAFFPLGYQAFRRP 120
Db 61 LKAVEALASGAWPLPASLCPVFAVAFHFFPLFYAGGGFLAALSAGRYLGAAFFPLGYQAFRRP 120
Qy 121 CYSWGVCAAIWAIVLCHLGVLEAPGGWLDHSHNTSLGINTPVNGSPVCLAWDPASAG 180
Db 121 CYSWGVCAAIWAIVLCHLGVLEAPGGWLDHSHNTSLGINTPVNGSPVCLAWDPASAG 180
Qy 181 PARFSLSLLLFFLPLAITAFVCVGCCLRALARSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
Db 181 PARFSLSLLLFFLPLAITAFVCVGCCLRALARSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
Qy 241 NASNVASFLYPNLGGSWRKGLITGAWSVVLNPLVTGYLGRGPGKLTVCAAARTQGGKSQK 300
Db 241 NASNVASFLYPNLGGSWRKGLITGAWSVVLNPLVTGYLGRGPGKLTVCAAARTQGGKSQK 300

RESULT 10
US-10-451-007B-4
; Sequence 4, Application US/10451007B
; Publication No. US20040137517A1
; GENERAL INFORMATION:
; APPLICANT: Glaxo Group Limited
; APPLICANT: Briscoe, Celia
; APPLICANT: Ignar, Diane
; APPLICANT: Muir, Alison
; APPLICANT: Tadayyon, Mohammed
; TITLE OF INVENTION: Method of Screening for GPR40 Ligands
; FILE REFERENCE: P32745
; CURRENT APPLICATION NUMBER: US/10/451,007B
; CURRENT FILING DATE: 2003-01-12
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-451-007B-4

Query Match 84.2%; Score 1333; DB 16; Length 300;
Best Local Similarity 83.0%; Pred. No. 4.3e-113;
Matches 249; Conservative 17; Mismatches 34; Indels 0; Gaps 0;

Qy 1 MDLPOLSFGLYVAAFALGFFPLNVLAIRGATAHARLRLTPSLVYALNLGCSDLLLTVSLP 60
Db 1 MDLPOLSFGLYVAAFALGFFPLNVLAIRGATAHARLRLTPSLVYALNLGCSDLLLTVSLP 60
Qy 61 LKAVEALASGAWPLPASLCPVFAVAFHFFPLFYAGGGFLAALSAGRYLGAAFFPLGYQAFRRP 120
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Db 61 LKAVEALASGAWPLPLPFCVPFALAHFAPLYAGGGFLAALSAGRYLGAAPFPGYQAIRRP 120
QY 121 CYSWGVCAAIWAIVLCHLGLVFGLEAPGWLDSHTSLGINTPVNGSPVCLAWDPASAG 180
Db 121 RYSGWGVCAIWAIVLCHLGLALGLETSGWLDNSTSLGINIPVNGSPVCLAWDPDSAR 180
QY 181 PARFSLSLLLFFLPLAITAFYVGCCLARALARSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
Db 181 PARLSFSLLLFFLPLVITAFYVGCCLARALVRSGLSHKRLRAAWVAGGALLTLLLCIGPY 240
QY 241 NASNVASFLYPNLGGSWRKGLITGAWSVVNLPLVTGYLGRGPGKLTVCAAARTQGGKSK 300
Db 241 NASNVASFINPDGGSWRKGLITGAWSVVNLPLVTGYLGTGPGRTICVTRTQRTIQK 300

RESULT 11

US-10-504-726-1
; Sequence 1, Application US/10504726
; Publication No. US20050089866A1
; GENERAL INFORMATION:
; APPLICANT: Takeda Chemical Industries, Ltd.
; TITLE OF INVENTION: Novel Screening Method
; FILE REFERENCE: P04-071PCT
; CURRENT APPLICATION NUMBER: US/10/504,726
; CURRENT FILING DATE: 2004-08-13
; PRIOR APPLICATION NUMBER: JP 2002-037131
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: JP 2002-204163
; PRIOR FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: JP 2002-328696
; PRIOR FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: JP 2003-14032
; PRIOR FILING DATE: 2003-01-22
; NUMBER OF SEQ ID NOS: 41
; SEQ ID NO 1
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Mouse
US-10-504-726-1

Query Match 84.2%; Score 1333; DB 17; Length 300;
Best Local Similarity 83.0%; Pred. No. 4.3e-113;
Matches 249; Conservative 17; Mismatches 34; Indels 0; Gaps 0;

QY 1 MDLPPQLSFGLYVAAFALGFPLNLVLAIRGATAHARLRLTPSLVYALNLGCSDLLLTVSIP 60
Db 1 MDLPPQLSFPALYVSFAFGFPLNLVLAIRGAVSHAKRLRTPSLVYTLHLGCSDLLLAIITLP 60
QY 61 LKAVEALASGAWPLPASLCPVFAVAHFPPLYAGGGFLAALSAGRYLGAAPFPGYQAIRRP 120
Db 61 LKAVEALASGAWPLPLPFCVPFALAHFAPLYAGGGFLAALSAGRYLGAAPFPGYQAIRRP 120
QY 121 CYSWGVCAAIWAIVLCHLGLVFGLEAPGWLDSHTSLGINTPVNGSPVCLAWDPASAG 180
Db 121 RYSGWGVCAIWAIVLCHLGLALGLETSGWLDNSTSLGINIPVNGSPVCLAWDPDSAR 180
QY 181 PARFSLSLLLFFLPLAITAFYVGCCLARALARSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
Db 181 PARLSFSLLLFFLPLVITAFYVGCCLARALVRSGLSHKRLRAAWVAGGALLTLLLCIGPY 240
QY 241 NASNVASFLYPNLGGSWRKGLITGAWSVVNLPLVTGYLGRGPGKLTVCAAARTQGGKSK 300
Db 241 NASNVASFINPDGGSWRKGLITGAWSVVNLPLVTGYLGTGPGRTICVTRTQRTIQK 300

RESULT 12

US-10-504-726-3
; Sequence 3, Application US/10504726
; Publication No. US20050089866A1
; GENERAL INFORMATION:
; APPLICANT: Takeda Chemical Industries, Ltd.
; TITLE OF INVENTION: Novel Screening Method
; FILE REFERENCE: P04-071PCT

; CURRENT APPLICATION NUMBER: US/10/504,726
; CURRENT FILING DATE: 2004-08-13
; PRIOR APPLICATION NUMBER: JP 2002-037131
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: JP 2002-204163
; PRIOR FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: JP 2002-328696
; PRIOR FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: JP 2003-14032
; PRIOR FILING DATE: 2003-01-22
; NUMBER OF SEQ ID NOS: 41
; SEQ ID NO 3
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Rat
US-10-504-726-3

Query Match 83.3%; Score 1320; DB 17; Length 300;
Best Local Similarity 81.7%; Pred. No. 6.6e-112;
Matches 245; Conservative 19; Mismatches 36; Indels 0; Gaps 0;

QY 1 MDLPPQLSFGLYVAAFALGFPLNLVLAIRGATAHARLRLTPSLVYALNLGCSDLLLTVSIP 60
Db 1 MDLPPQLSFPALYVSFAFGFPLNLVLAIRGAVSHAKRLRTPSLVYTLHLGCSDLLLAIITLP 60
QY 61 LKAVEALASGAWPLPASLCPVFAVAHFPPLYAGGGFLAALSAGRYLGAAPFPGYQAIRRP 120
Db 61 LKAVEALASGAWPLPLPFCVPFALAHFAPLYAGGGFLAALSAGRYLGAAPFPGYQAIRRP 120
QY 121 CYSWGVCAAIWAIVLCHLGLVFGLEAPGWLDSHTSLGINTPVNGSPVCLAWDPASAG 180
Db 121 CYSWGVCVAIWAIVLCHLGLALGLETSGWLDNSTSLGINIPVNGSPVCLAWDPDSAR 180
QY 181 PARFSLSLLLFFLPLAITAFYVGCCLARALARSGLTHRRKLRRAAWVAGGALLTLLLCVGPY 240
Db 181 PARLSFSLLLFFLPLVITAFYVGCCLARALVHSLSHKRLRAAWVAGGALLTLLLCIGPY 240
QY 241 NASNVASFLYPNLGGSWRKGLITGAWSVVNLPLVTGYLGRGPGKLTVCAAARTQGGKSK 300
Db 241 NASNVASFINPDGGSWRKGLITGAWSVVNLPLVTGYLGTGPGGCTICVTRTPRTGIQK 300

RESULT 13

US-10-504-726-29
; Sequence 29, Application US/10504726
; Publication No. US20050089866A1
; GENERAL INFORMATION:
; APPLICANT: Takeda Chemical Industries, Ltd.
; TITLE OF INVENTION: Novel Screening Method
; FILE REFERENCE: P04-071PCT
; CURRENT APPLICATION NUMBER: US/10/504,726
; CURRENT FILING DATE: 2004-08-13
; PRIOR APPLICATION NUMBER: JP 2002-037131
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: JP 2002-204163
; PRIOR FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: JP 2002-328696
; PRIOR FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: JP 2003-14032
; PRIOR FILING DATE: 2003-01-22
; NUMBER OF SEQ ID NOS: 41
; SEQ ID NO 29
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Hamster
US-10-504-726-29

Query Match 81.8%; Score 1295; DB 17; Length 300;
Best Local Similarity 80.7%; Pred. No. 1.3e-109;
Matches 242; Conservative 21; Mismatches 37; Indels 0; Gaps 0;

QY 1 MDLPPQLSFGLYVAAFALGFPLNLVLAIRGATAHARLRLTPSLVYALNLGCSDLLLTVSIP 60
Db 1 MDLPPQLSFPALYVSFAFGFPLNLVLAIRGAVSHAKRLRTPSLVYTLHLGCSDLLLAIITLP 60

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RESULT 14	
US-10-203-539-4	
Sequence 4, Application US/10203539	
Publication No. US20030113810A1	
GENERAL INFORMATION:	
APPLICANT: GLAXO GROUP LIMITED	
TITLE OF INVENTION: NOVEL ASSAY	
FILE REFERENCE: PG3849USw	
CURRENT APPLICATION NUMBER: US/10/203,539	
CURRENT FILING DATE: 2002-08-09	
PRIOR APPLICATION NUMBER: GB 0003900.8	
PRIOR FILING DATE: 2000-02-18	
PRIOR APPLICATION NUMBER: GB 0007015.1	
PRIOR FILING DATE: 2000-03-22	
NUMBER OF SEQ ID NOS: 12	
SOFTWARE: PatentIn Ver. 3.0	
SEQ ID NO 4	
LENGTH: 346	
TYPE: PRT	
ORGANISM: Homo Sapiens	
US-10-203-539-4	

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RESULT 15
US-10-408-765A-643
; Sequence 643, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
.

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Db 61 LKAVEALASGAWPLPASLCPVFAVAHFFPLVAGGFLAALSAGRYLGNAFPLGYQAFRRP 120
QY 121 CYSWGVCAAIWAIVLCHLGVFLGLEAPGGLDHSNTSLGINTPVGSPVCLLEAWDPASAG 180
Db 121 CYSWGVCAAIWAIVLCHLGVFLGLEAPGGLDHSNTSLGINTPVGSPVCLLEAWDPASAG 180
QY 181 PARFSLSLFFLPLAITAFVCYVGCCLRALARSGLTHRRKRAAWVAGGALLTLLLCVGPY 240
Db 181 PARFSLSLFFLPLAITAFVCYVGCCLRALARSGLTHRRKRAAWVAGGALLTLLLCVGPY 240
QY 241 NASNVASFLYPNLGGSWRKLGLITGAMSVVNLPLVTGYLGRGPKLTKVCAARTOGGKSQK 300
Db 241 NASNVASFLYPNLGGSWRKLGLITGAMSVVNLPLVTGYLGRGPKLTKVCAARTOGGKSQK 300
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RESULT 5
US-10-451-007B-2
; Sequence 2, Application US/10451007B
; Publication No. US20040137517A1
; GENERAL INFORMATION:
; APPLICANT: Glaxo Group Limited
; APPLICANT: Briscoe, Celia
; APPLICANT: Ignar, Diane
; APPLICANT: Muir, Alison
; APPLICANT: Tadayyon, Mohammed
; TITLE OF INVENTION: Method of Screening for GPR40 Ligands
; FILE REFERENCE: P32745
; CURRENT APPLICATION NUMBER: US/10/451.007B
; CURRENT FILING DATE: 2003-01-12
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-451-007B-2
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Query Match 100.0%; Score 1584; DB 16; Length 300;
Best Local Similarity 100.0%; Pred. No. 5.7e-136;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 MDLPPQLSFGLYVAAPALGFPPLNVLAIRGATAHARLRLTSLVYALNLCSDLLLTVSLP 60
Db 1 MDLPPQLSFGLYVAAPALGFPPLNVLAIRGATAHARLRLTSLVYALNLCSDLLLTVSLP 60
QY 61 LKAVEALASGAWPLPASLCPVFAVAHFFPLVAGGFLAALSAGRYLGNAFPLGYQAFRRP 120
Db 61 LKAVEALASGAWPLPASLCPVFAVAHFFPLVAGGFLAALSAGRYLGNAFPLGYQAFRRP 120
QY 121 CYSWGVCAAIWAIVLCHLGVFLGLEAPGGLDHSNTSLGINTPVGSPVCLLEAWDPASAG 180
Db 121 CYSWGVCAAIWAIVLCHLGVFLGLEAPGGLDHSNTSLGINTPVGSPVCLLEAWDPASAG 180
QY 181 PARFSLSLFFLPLAITAFVCYVGCCLRALARSGLTHRRKRAAWVAGGALLTLLLCVGPY 240
Db 181 PARFSLSLFFLPLAITAFVCYVGCCLRALARSGLTHRRKRAAWVAGGALLTLLLCVGPY 240
QY 241 NASNVASFLYPNLGGSWRKLGLITGAMSVVNLPLVTGYLGRGPKLTKVCAARTOGGKSQK 300
Db 241 NASNVASFLYPNLGGSWRKLGLITGAMSVVNLPLVTGYLGRGPKLTKVCAARTOGGKSQK 300
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RESULT 6
US-10-504-726-5
; Sequence 5, Application US/10504726
; Publication No. US20050089866A1
; GENERAL INFORMATION:
; APPLICANT: Takeda Chemical Industries, Ltd.
; TITLE OF INVENTION: Novel Screening Method
; FILE REFERENCE: P04-071PCT
; CURRENT APPLICATION NUMBER: US/10/504.726
; CURRENT FILING DATE: 2004-08-13
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; PRIOR APPLICATION NUMBER: JP 2002-037131
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: JP 2002-204163
; PRIOR FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: JP 2002-328696
; PRIOR FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: JP 2003-14032
; PRIOR FILING DATE: 2003-01-22
; NUMBER OF SEQ ID NOS: 41
; SEQ ID NO 5
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Human
US-10-504-726-5
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Query Match 100.0%; Score 1584; DB 17; Length 300;
Best Local Similarity 100.0%; Pred. No. 5.7e-136;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 MDLPPQLSFGLYVAAPALGFPPLNVLAIRGATAHARLRLTSLVYALNLCSDLLLTVSLP 60
Db 1 MDLPPQLSFGLYVAAPALGFPPLNVLAIRGATAHARLRLTSLVYALNLCSDLLLTVSLP 60
QY 61 LKAVEALASGAWPLPASLCPVFAVAHFFPLVAGGFLAALSAGRYLGNAFPLGYQAFRRP 120
Db 61 LKAVEALASGAWPLPASLCPVFAVAHFFPLVAGGFLAALSAGRYLGNAFPLGYQAFRRP 120
QY 121 CYSWGVCAAIWAIVLCHLGVFLGLEAPGGLDHSNTSLGINTPVGSPVCLLEAWDPASAG 180
Db 121 CYSWGVCAAIWAIVLCHLGVFLGLEAPGGLDHSNTSLGINTPVGSPVCLLEAWDPASAG 180
QY 181 PARFSLSLFFLPLAITAFVCYVGCCLRALARSGLTHRRKRAAWVAGGALLTLLLCVGPY 240
Db 181 PARFSLSLFFLPLAITAFVCYVGCCLRALARSGLTHRRKRAAWVAGGALLTLLLCVGPY 240
QY 241 NASNVASFLYPNLGGSWRKLGLITGAMSVVNLPLVTGYLGRGPKLTKVCAARTOGGKSQK 300
Db 241 NASNVASFLYPNLGGSWRKLGLITGAMSVVNLPLVTGYLGRGPKLTKVCAARTOGGKSQK 300
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RESULT 7
US-10-505-486-15
; Sequence 15, Application US/10505486
; Publication No. US20050118639A1
; GENERAL INFORMATION:
; APPLICANT: Takeda Chemical Industries, Ltd.
; TITLE OF INVENTION: Determination of a ligand
; FILE REFERENCE: P03-0006PCT
; CURRENT APPLICATION NUMBER: US/10/505.486
; CURRENT FILING DATE: 2004-08-20
; PRIOR APPLICATION NUMBER: JP 2002-45728
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: JP 2002-213949
; PRIOR FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: JP 2002-298237
; PRIOR FILING DATE: 2002-10-11
; NUMBER OF SEQ ID NOS: 233
; SEQ ID NO 15
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Human
US-10-505-486-15
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Query Match 100.0%; Score 1584; DB 17; Length 300;
Best Local Similarity 100.0%; Pred. No. 5.7e-136;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDLPPQLSFGLYVAAPALGFPPLNVLAIRGATAHARLRLTSLVYALNLCSDLLLTVSLP 60
Db 1 MDLPPQLSFGLYVAAPALGFPPLNVLAIRGATAHARLRLTSLVYALNLCSDLLLTVSLP 60
QY 61 LKAVEALASGAWPLPASLCPVFAVAHFFPLVAGGFLAALSAGRYLGNAFPLGYQAFRRP 120
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OM nucleic - nucleic search, using sw model

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(without alignments)
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 - 9: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq.*
 - 10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq.*
 - 11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq.*
 - 12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq.*
 - 13: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq.*
 - 14: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq.*
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 - 19: /cgn2_6/ptodata/1/pubpna/US10G_PUBCOMB.seq.*
 - 20: /cgn2_6/ptodata/1/pubpna/US10H_PUBCOMB.seq.*
 - 21: /cgn2_6/ptodata/1/pubpna/US10I_PUBCOMB.seq.*
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 - 23: /cgn2_6/ptodata/1/pubpna/US11A_PUBCOMB.seq.*
 - 24: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq.*
 - 25: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	903	100.0	903	15	US-10-225-567A-474 Sequence 474, App
3	903	100.0	903	16	US-10-029-386-22904 Sequence 22904, A
4	903	100.0	903	17	US-10-202-687-1 Sequence 1, Appli
5	903	100.0	903	19	US-10-451-007B-1 Sequence 1, Appli
6	902.2	99.9	13682	19	US-10-741-601-5759 Sequence 5759, A
7	902.2	99.9	13682	21	US-10-741-600-17948 Sequence 17948, A

8	902.2	99.9	30192	19	US-10-741-601-5669 Sequence 5669, Ap
9	902.2	99.9	30192	21	US-10-741-600-17700 Sequence 17700, A
10	900	99.7	900	21	US-10-504-726-6 Sequence 6, Appli
11	900	99.7	900	21	US-10-505-486-16 Sequence 16, Appli
12	898.2	99.5	903	15	US-10-251-385-271 Sequence 271, App
13	840.8	93.1	900	21	US-10-504-726-18 Sequence 18, Appli
14	612	67.8	900	21	US-10-504-726-30 Sequence 30, Appli
15	604.4	66.9	903	19	US-10-451-007B-3 Sequence 3, Appli
16	602.4	66.7	900	21	US-10-504-726-2 Sequence 2, Appli
17	588	65.1	900	21	US-10-504-726-4 Sequence 4, Appli
18	200.6	22.2	201	19	US-10-741-601-16957 Sequence 16957, A
19	200.6	22.2	201	19	US-10-741-601-16980 Sequence 16980, A
20	200.6	22.2	201	19	US-10-741-601-25105 Sequence 25105, A
21	200.6	22.2	201	19	US-10-741-601-25106 Sequence 25106, A
22	200.6	22.2	201	21	US-10-741-600-46370 Sequence 46370, A
23	200.6	22.2	201	21	US-10-741-600-46388 Sequence 46388, A
24	200.6	22.2	201	21	US-10-741-600-67969 Sequence 67969, A
25	200.6	22.2	201	21	US-10-741-600-67970 Sequence 67970, A
26	154	17.1	550	16	US-10-029-386-3201 Sequence 3201, Ap
27	121.8	13.5	960	16	US-10-029-386-24088 Sequence 24088, A
28	121.8	13.5	1041	15	US-10-251-385-253 Sequence 253, App
29	121.8	13.5	1041	15	US-10-225-567A-604 Sequence 604, App
30	121.8	13.5	1041	15	US-10-203-539-1 Sequence 1, Appli
31	121.8	13.5	1041	15	US-10-203-539-3 Sequence 3, Appli
32	121.8	13.5	1061	19	US-10-789-241-25 Sequence 25, Appli
33	121.8	13.5	1206	16	US-10-029-386-25146 Sequence 273, App
34	118.6	13.1	1041	15	US-10-251-385-273 Sequence 25107, A
35	87	9.6	201	19	US-10-741-601-25107 Sequence 67971, A
36	87	9.6	201	21	US-10-741-600-67971 Sequence 515, App
37	84.6	9.4	4895	15	US-10-225-567A-515 Sequence 1, Appli
38	84.6	9.4	4895	15	US-10-187-049-1 Sequence 1156, Ap
39	84.6	9.4	4895	21	US-10-956-157-1156 Sequence 5, Appli
40	80	8.9	1098	15	US-09-850-948-5 Sequence 117, App
41	80	8.9	1098	15	US-10-251-385-117 Sequence 225, App
42	80	8.9	1098	15	US-10-251-385-225 Sequence 5, Appli
43	80	8.9	1098	15	US-10-273-575-5 Sequence 282, App
44	80	8.9	1098	15	US-10-225-567A-282 Sequence 25332, A
45	80	8.9	1434	16	US-10-029-386-25332

ALIGNMENTS

RESULT 1
US-10-251-385-249
; Sequence 249, Application US/10251385
; Publication No. US20030105292A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. US20030105292A1-Endogenous, Constitutively Activated Human G
; TITLE OF INVENTION: Protein-Coupled
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/10/251,385
; CURRENT FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: US/09/170,496
; PRIOR FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 249
; LENGTH: 903
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-251-385-249

Query Match 100.0%; Score 903; DB 15; Length 903;
Best Local Similarity 100.0%; Pred. No. 1e-221;
Matches 903; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATGGACCTGCCCCGAGCTCTCCCTGCGCTCTATGCGCCCTTTCGGCTTGGCGGCTTC 60
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Db 1 ATGGACCTGCCCGCAGCTCTCTCTGGCCTCTATGTGGCGCCCTTTGGCGTGGGCTTC 60
QY 61 CCGCTCAACGTCTCTGSCATCCAGAGCGAGCGCCACGCGGCTCGTCTCACCCCT 120
Db 61 CCGCTCAACGTCTCTGSCATCCAGAGCGAGCGCCACGCGGCTCGTCTCACCCCT 120
QY 121 AGCCTGGTCTAGCCCTGAACTGGGCTGCTCCGACCTGCTGTGACAGTCTCTTGCC 180
Db 121 AGCCTGGTCTAGCCCTGAACTGGGCTGCTCCGACCTGCTGTGACAGTCTCTTGCC 180
QY 181 CTGAAGCGGTGAGCGCTAGCTCCGGGGCTGGGCTCTGCGGCTGCTGTCGCC 240
Db 181 CTGAAGCGGTGAGCGCTAGCTCCGGGGCTGGGCTCTGCGGCTGCTGTCGCC 240
QY 241 GTCTTCGGGTGGCCACCTCTTCCACCTATGCGGGGGCTTCTGCGCCGCTG 300
Db 241 GTCTTCGGGTGGCCACCTCTTCCACCTATGCGGGGGCTTCTGCGCCGCTG 300
QY 301 AGTGACAGCGCTTACCTGGGAGCAGCTTCCCTTTGGGCTACCAAGCCCTTCGGAGGCG 360
Db 301 AGTGACAGCGCTTACCTGGGAGCAGCTTCCCTTTGGGCTACCAAGCCCTTCGGAGGCG 360
QY 361 TGTATTCTGGGGGTGTGCGGGCCATCTGGGCTGCTGTGTCACCTGTCGTCG 420
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QY 421 GTCTTTGGGTGGAGGCTGGCTGGACCAAGCAACACCTCCCTGCGGCTTC 480
Db 421 GTCTTTGGGTGGAGGCTGGCTGGACCAAGCAACACCTCCCTGCGGCTTC 480
QY 481 AACACACCGGTCAACGGCTCTCCGGTCTGGAGGCTTGGGACCCGCGCTCTGCCG 540
Db 481 AACACACCGGTCAACGGCTCTCCGGTCTGGAGGCTTGGGACCCGCGCTCTGCCG 540
QY 541 CCGGCCGCTTCAAGCAGTGTGTGGGCAAGAAACGCAAGGGGGCAAGTCCCAAG 900
Db 541 CCGGCCGCTTCAAGCAGTGTGTGGGCAAGAAACGCAAGGGGGCAAGTCCCAAG 900
QY 901 TAA 903
Db 901 TAA 903
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RESULT 2
US-10-225-567A-474
; Sequence 474, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: LifeSpan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burmer, Glenna C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS

; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 474
; LENGTH: 903
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-225-567A-474

Query Match 100.0%; Score 903; DB 15; Length 903;
Best Local Similarity 100.0%; Pred. No. 1e-221;
Matches 903; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGACCTGCCCGCAGCTCTCTCTGGCCTCTATGTGGCGCCCTTTGGCGTGGGCTTC 60
Db 1 ATGGACCTGCCCGCAGCTCTCTCTGGCCTCTATGTGGCGCCCTTTGGCGTGGGCTTC 60
QY 61 CCGCTCAACGTCTCTGSCATCCAGAGCGAGCGCCACGCGGCTCGTCTCACCCCT 120
Db 61 CCGCTCAACGTCTCTGSCATCCAGAGCGAGCGCCACGCGGCTCGTCTCACCCCT 120
QY 121 AGCCTGGTCTAGCCCTGAACTGGGCTGCTCCGACCTGCTGTGACAGTCTCTTGCC 180
Db 121 AGCCTGGTCTAGCCCTGAACTGGGCTGCTCCGACCTGCTGTGACAGTCTCTTGCC 180
QY 181 CTGAAGCGGTGAGCGCTAGCTCCGGGGCTGGGCTCTGCGGCTGCTGTCGCC 240
Db 181 CTGAAGCGGTGAGCGCTAGCTCCGGGGCTGGGCTCTGCGGCTGCTGTCGCC 240
QY 241 GTCTTCGGGTGGCCACCTCTTCCACCTATGCGGGGGCTTCTGCGCCGCTG 300
Db 241 GTCTTCGGGTGGCCACCTCTTCCACCTATGCGGGGGCTTCTGCGCCGCTG 300
QY 301 AGTGACAGCGCTTACCTGGGAGCAGCTTCCCTTTGGGCTACCAAGCCCTTCGGAGGCG 360
Db 301 AGTGACAGCGCTTACCTGGGAGCAGCTTCCCTTTGGGCTACCAAGCCCTTCGGAGGCG 360
QY 361 TGTATTCTGGGGGTGTGCGGGCCATCTGGGCTGCTGTGTCACCTGTCGTCG 420
Db 361 TGTATTCTGGGGGTGTGCGGGCCATCTGGGCTGCTGTGTCACCTGTCGTCG 420
QY 421 GTCTTTGGGTGGAGGCTGGCTGGACCAAGCAACACCTCCCTGCGGCTTC 480
Db 421 GTCTTTGGGTGGAGGCTGGCTGGACCAAGCAACACCTCCCTGCGGCTTC 480
QY 481 AACACACCGGTCAACGGCTCTCCGGTCTGGAGGCTTGGGACCCGCGCTCTGCCG 540
Db 481 AACACACCGGTCAACGGCTCTCCGGTCTGGAGGCTTGGGACCCGCGCTCTGCCG 540
QY 541 CCGGCCGCTTCAAGCAGTGTGTGGGCAAGAAACGCAAGGGGGCAAGTCCCAAG 600
Db 541 CCGGCCGCTTCAAGCAGTGTGTGGGCAAGAAACGCAAGGGGGCAAGTCCCAAG 600
QY 601 TGTACGTGGGCTGCTCGGGCACTGCGGCTGCGGCTGACGACAGCGGGAAGCTG 660
Db 601 TGTACGTGGGCTGCTCGGGCACTGCGGCTGCGGCTGACGACAGCGGGAAGCTG 660
QY 661 CCGGCCGCTGCGGCTGCGGCGGCTTCCCTCACGCTGCTCTGCGGTAGGACCCCTAC 720
Db 661 CCGGCCGCTGCGGCTGCGGCGGCTTCCCTCACGCTGCTCTGCGGTAGGACCCCTAC 720
QY 721 AACGCTCTCAACGTGGCGCAGCTTCTGTATACCCAAATCTAGAGGCTCTTGGCGGAAGCTG 780
Db 721 AACGCTCTCAACGTGGCGCAGCTTCTGTATACCCAAATCTAGAGGCTCTTGGCGGAAGCTG 780
QY 781 GGGCTCATCACGGGTGCGTGGAGTGTGTTAATCCGCTGTCAGCGGTTACTTGGGA 840
Db 781 GGGCTCATCACGGGTGCGTGGAGTGTGTTAATCCGCTGTCAGCGGTTACTTGGGA 840

QY 841 AGGGTCTGGCTGAAGACAGTGTGTGGCGCAAGAACCGAGGGGGCAAGTCCCGAGAAG 900
Db 841 AGGGGTCTGGCTGAAGACAGTGTGTGGCGCAAGAACCGAGGGGGCAAGTCCCGAGAAG 900
QY 901 TAA 903
Db 901 TAA 903
|||
|||
RESULT 3
US-10-029-386-22904
; Sequence 22904, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029, 386
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 22904
; LENGTH: 903
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO U62631.1
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.89
; OTHER INFORMATION: NT HIT: g11526068, EVALUE 0.00e+00
; OTHER INFORMATION: SWISSPROT HIT: O14842, EVALUE 0.00e+00
; OTHER INFORMATION: EST_HUMAN HIT: AW583167.1, EVALUE 0.00e+00
US-10-029-386-22904

Query Match 100.0%; Score 903; DB 16; Length 903;
Best Local Similarity 100.0%; Pred. No. 1e-221;
Matches 903; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATGGACTGCCCCCGAGCTCTCTTCGGGCTCTATGTGGCGCCCTTTGGGCTGGGCTTC 60
Db 1 ATGGACTGCCCCCGAGCTCTCTTCGGGCTCTATGTGGCGCCCTTTGGGCTGGGCTTC 60
QY 61 CCCTCAACGCTCTGGCCATCCGAGGCGGACGCGCCGCTCCGCTCTCACCCCT 120
Db 61 CCCTCAACGCTCTGGCCATCCGAGGCGGACGCGCCGCTCCGCTCTCACCCCT 120
QY 121 AGCTGGTCTACGCCCTGAACCTTGGGCTGTCTCGACCTGTGTGACAGTCTCTTGCCC 180
Db 121 AGCTGGTCTACGCCCTGAACCTTGGGCTGTCTCGACCTGTGTGACAGTCTCTTGCCC 180
QY 181 CTGAAGCGGTGAGGCGGTAGCTCCGGGCTGTGGGCTGTGGGCTGTGGGCTGTGGGCT 240
Db 181 CTGAAGCGGTGAGGCGGTAGCTCCGGGCTGTGGGCTGTGGGCTGTGGGCTGTGGGCT 240
QY 241 GTCTTCGGGTGCGCCACTTCTTCCACTATGCGGGGGGGCTTCCTGGCGGCCCTG 300
Db 241 GTCTTCGGGTGCGCCACTTCTTCCACTATGCGGGGGGGCTTCCTGGCGGCCCTG 300
QY 301 AGTGCAGGCGGTACTCGGAGGAGGCTTCCCTTGGGCTTACCAAGCTTCGAGGCGG 360
Db 301 AGTGCAGGCGGTACTCGGAGGAGGCTTCCCTTGGGCTTACCAAGCTTCGAGGCGG 360
QY 361 TGCTATTCTGGGGGTGTGCGGGGCTTCTGGGCTGTGGGCTGTGGGCTGTGGGCTGTG 420
Db 361 TGCTATTCTGGGGGTGTGCGGGGCTTCTGGGCTGTGGGCTGTGGGCTGTGGGCTGTG 420
QY 421 GTCTTTGGGTGTGAGGCTTCAGAGGCTGTGGGCTGTGGGCTGTGGGCTGTGGGCTGTG 480
Db 421 GTCTTTGGGTGTGAGGCTTCAGAGGCTGTGGGCTGTGGGCTGTGGGCTGTGGGCTGTG 480

QY 481 AACACACCGGTCAACGGGCTCTCCGGTCTGCGCTGGAGGCTTGGGACCCGGGCTCTGCGCGC 540
Db 481 AACACACCGGTCAACGGGCTCTCCGGTCTGCGCTGGAGGCTTGGGACCCGGGCTCTGCGCGC 540
QY 541 CCGGCGCGCTTCAGGCT 600
Db 541 CCGGCGCGCTTCAGGCT 600
QY 601 TGCTAGTGGGCTGCTCCGGGCACTTGGGCGGCTCCGGGCTCAACGACAGGCGGAAGCTG 660
Db 601 TGCTAGTGGGCTGCTCCGGGCACTTGGGCGGCTCCGGGCTCAACGACAGGCGGAAGCTG 660
QY 661 CCGGCGCGCTGGGCTGGGCGGCGGCGGCGGCTCTCTCAAGCTGTCTCTCTCTCTCTCTCT 720
Db 661 CCGGCGCGCTGGGCTGGGCGGCGGCGGCGGCTCTCTCAAGCTGTCTCTCTCTCTCTCTCT 720
QY 721 AACGCTCTCAACGCTGGGCACTTCTGTACCCCAATCTAGGAGGCTCTTGGGCGGAAGCTG 780
Db 721 AACGCTCTCAACGCTGGGCACTTCTGTACCCCAATCTAGGAGGCTCTTGGGCGGAAGCTG 780
QY 781 GGGCTCATCACGGGTGCTGGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 840
Db 781 GGGCTCATCACGGGTGCTGGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 840
QY 841 AGGGTCTTGGGCTGAAGACAGTGTGTGGGCGGCAAGACGCAAGGGGGCAAGTCCCGAGA 900
Db 841 AGGGTCTTGGGCTGAAGACAGTGTGTGGGCGGCAAGACGCAAGGGGGCAAGTCCCGAGA 900
QY 901 TAA 903
Db 901 TAA 903
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RESULT 4
US-10-202-687-1
; Sequence 1, Application US/10202687
; Publication No. US20040019109A1
; GENERAL INFORMATION:
; APPLICANT: OMAN, CHRISTER
; APPLICANT: OLDE, BJORN
; APPLICANT: KOTARSKY, KNU
; APPLICANT: NILSSON, NICLAS
; APPLICANT: FLOGREN, ERIK
; TITLE OF INVENTION: METHODS OF IDENTIFYING COMPOUNDS AFFECTING FATTY ACID
; TITLE OF INVENTION: METABOLISM
; FILE REFERENCE: 07675.0007 SEQUENCE LISTING
; CURRENT APPLICATION NUMBER: US/10/202, 687
; CURRENT FILING DATE: 2002-07-24
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 1
; LENGTH: 903
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-202-687-1
Query Match 100.0%; Score 903; DB 17; Length 903;
Best Local Similarity 100.0%; Pred. No. 1e-221;
Matches 903; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATGGACCTGCCCCCGAGCTCTCTTCGGGCTCTATGTGGCGCCCTTTGGGCTGGGCTTC 60
Db 1 ATGGACCTGCCCCCGAGCTCTCTTCGGGCTCTATGTGGCGCCCTTTGGGCTGGGCTTC 60
QY 61 CCGCTCAACGCTCTGGCCATCCGAGGCGGACGCGCCGCTCCGCTCTCACCCCT 120
Db 61 CCGCTCAACGCTCTGGCCATCCGAGGCGGACGCGCCGCTCCGCTCTCACCCCT 120
QY 121 AGCTGGTCTACGCCCTGAACCTTGGGCTGTCTCCGACCTGTCTGACAGTCTCTCTGCCC 180
Db 121 AGCTGGTCTACGCCCTGAACCTTGGGCTGTCTCCGACCTGTCTGACAGTCTCTCTGCCC 180
QY 181 CTGAAGCGGTGAGGCGGTAGCTCCGGGCTGTGGGCTGTGGGCTGTGGGCTGTGGGCT 240

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Db 181 CTGAAGCGGTGGAGCGCTAGCCTCCGGGCTTGCCCTCTCGCGGCTCGTGTGCC 240
Qy 241 GTCCTCGCGGTGGCCACCTTCTCCACACTATGCGCGGGGGTTCCTGCGCGCCCTG 300
Db 241 GTCCTCGCGGTGGCCACCTTCTCCACACTATGCGCGGGGGTTCCTGCGCGCCCTG 300
Qy 301 AGTGAGGCGGTACCTGAGGAGCAGCTTCCCTTTGGGCTACCAAGCCTTCCGAGGCG 360
Db 301 AGTGAGGCGGTACCTGAGGAGCAGCTTCCCTTTGGGCTACCAAGCCTTCCGAGGCG 360
Qy 361 TGCTATTCTTGGGGGTGTCGCGGCGCATCTGGGCTCTGCTGTGTGTCACCTGGGCTG 420
Db 361 TGCTATTCTTGGGGGTGTCGCGGCGCATCTGGGCTCTGCTGTGTGTCACCTGGGCTG 420
Qy 421 GTCCTTGGGTTGAGGCTCAGAGGCTCGAGGCTGGTGACACAGAACACTTCCCTGGGCA 480
Db 421 GTCCTTGGGTTGAGGCTCAGAGGCTCGAGGCTGGTGACACAGAACACTTCCCTGGGCA 480
Qy 481 AACACACCGGTCAACCGGCTCCGGGTCTCGGCTGGAGGCTGGGACCCGGCTCTGCCGC 540
Db 481 AACACACCGGTCAACCGGCTCTCGGCTGGAGGCTGGGACCCGGCTCTGCCGC 540
Qy 541 CCGGCCGCTTCAAGCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 600
Db 541 CCGGCCGCTTCAAGCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 600
Qy 601 TGCTAGTGGGCTGCTCCGGGCTCGGCGCTCGGCGCTCGGCGCTCGGCGCTCGGCGCT 660
Db 601 TGCTAGTGGGCTGCTCCGGGCTCGGCGCTCGGCGCTCGGCGCTCGGCGCTCGGCGCT 660
Qy 661 CCGGCCGCTTGGGTTGAGGCTTCCAGGCTTCCAGGCTTCCAGGCTTCCAGGCTTCC 720
Db 661 CCGGCCGCTTGGGTTGAGGCTTCCAGGCTTCCAGGCTTCCAGGCTTCCAGGCTTCC 720
Qy 721 AACGCTTCAAGCTGGGCTTCCAGGCTTCCAGGCTTCCAGGCTTCCAGGCTTCCAGG 780
Db 721 AACGCTTCAAGCTGGGCTTCCAGGCTTCCAGGCTTCCAGGCTTCCAGGCTTCCAG 780
Qy 781 GGGCTCATACGGGTGCTGGAGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGG 840
Db 781 GGGCTCATACGGGTGCTGGAGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGG 840
Qy 841 AGGGGTCTGGCTGAAGACAGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGG 900
Db 841 AGGGGTCTGGCTGAAGACAGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGG 900
Qy 901 TAA 903
Db 901 TAA 903
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RESULT 5
US-10-451-007B-1
; Sequence 1, Application US/10451007B
; Publication No. US20040137517A1
; GENERAL INFORMATION:
; APPLICANT: Glaxo Group Limited
; APPLICANT: Briscoe, Celia
; APPLICANT: Ignar, Diane
; APPLICANT: Muir, Alison
; APPLICANT: Tadavayon, Mohammed
; TITLE OF INVENTION: Method of Screening for GPR40 Ligands
; FILE REFERENCE: P32745
; CURRENT APPLICATION NUMBER: US/10/451,007B
; CURRENT FILING DATE: 2003-01-12
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 903
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
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; NAME/KEY: CDS
; LOCATION: (1)...(900)
US-10-451-007B-1
Query Match 100.0%; Score 903; DB 19; Length 903;
Best Local Similarity 100.0%; Pred. No. 1e-221;
Matches 903; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 ATGGAAGCTGCGCGGAGCTCTCTTGGGCTCTATGTTGGCGGCTTTGGCTGGGCTTC 60
Db 1 ATGGAAGCTGCGCGGAGCTCTCTTGGGCTCTATGTTGGCGGCTTTGGCTGGGCTTC 60
Qy 61 CGGCTCAACGCTCTGGCCATCCGAGGCGGAGCGGCCACGCGCGGCTCGCTCTCACCCCT 120
Db 61 CGGCTCAACGCTCTGGCCATCCGAGGCGGAGCGGCCACGCGCGGCTCGCTCTCACCCCT 120
Qy 121 AGCCTGGTCTACGCGCTGAACCTTGGGCTGTCGGAACCTGCTGCTGACAGTCTCTCTGCC 180
Db 121 AGCCTGGTCTACGCGCTGAACCTTGGGCTGTCGGAACCTGCTGCTGACAGTCTCTCTGCC 180
Qy 181 CTGAAGGCGGTGGAGGCGCTAGCCTCCGGGCGCTGGGCTCTGCGGCGCTCGCTGTGCC 240
Db 181 CTGAAGGCGGTGGAGGCGCTAGCCTCCGGGCGCTGGGCTCTGCGGCGCTCGCTGTGCC 240
Qy 241 GTCTTCGCGGTGGGCGACTTCTTCCACTCTATGCGGCGGCGGCTTCTTGGCGCCCTG 300
Db 241 GTCTTCGCGGTGGGCGACTTCTTCCACTCTATGCGGCGGCGGCTTCTTGGCGCCCTG 300
Qy 301 AGTGAGGCGGCTACCTGGGAGGAGCTTCCCTTTGGGCTACCAAGCCTTCCGAGGCGG 360
Db 301 AGTGAGGCGGCTACCTGGGAGGAGCTTCCCTTTGGGCTACCAAGCCTTCCGAGGCGG 360
Qy 361 TGCTATTCTTGGGGGTGTCGCGGCGCATCTGCGGCGCTCTGCTGTGTCACCTGGGCTG 420
Db 361 TGCTATTCTTGGGGGTGTCGCGGCGCATCTGCGGCGCTCTGCTGTGTCACCTGGGCTG 420
Qy 421 GTCCTTTGGGTTGAGGCTTCCAGGAGGCTGGTGTGGAACCAACACCTCTCTGGGCTC 480
Db 421 GTCCTTTGGGTTGAGGCTTCCAGGAGGCTGGTGTGGAACCAACACCTCTCTGGGCTC 480
Qy 481 AACACACCGGTCAACGCGCTCTCCGCTCTGCTGAGGCTGGGACCCGGGCTCTGCGCGC 540
Db 481 AACACACCGGTCAACGCGCTCTCCGCTCTGCTGAGGCTGGGACCCGGGCTCTGCGCGC 540
Qy 541 CCGGCCGCTTCAAGCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 600
Db 541 CCGGCCGCTTCAAGCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 600
Qy 601 TGCTACGTGGGCTGCTCCGGGCACTGGCCCGCTCCGGCTGACGCAACAGCGGGAAGCTG 660
Db 601 TGCTACGTGGGCTGCTCCGGGCACTGGCCCGCTCCGGCTGACGCAACAGCGGGAAGCTG 660
Qy 661 CCGGCCGCTTGGGTTGAGGCGGCGGCGCTCTCTACGCTGCTGCTCTGCTTAGGACCTAC 720
Db 661 CCGGCCGCTTGGGTTGAGGCGGCGGCGCTCTCTACGCTGCTGCTCTGCTTAGGACCTAC 720
Qy 721 AACGCTTCAACGCTGGGCGAGCTTCTGTACCCCAATCTAGGAGGCTCTTGGCGGAAGCTG 780
Db 721 AACGCTTCAACGCTGGGCGAGCTTCTGTACCCCAATCTAGGAGGCTCTTGGCGGAAGCTG 780
Qy 781 GGGCTCATACGGGTGCTGGAGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGG 840
Db 781 GGGCTCATACGGGTGCTGGAGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGG 840
Qy 841 AGGGGTCTTGGCTGAAGACAGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGG 900
Db 841 AGGGGTCTTGGCTGAAGACAGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGG 900
Qy 901 TAA 903
Db 901 TAA 903
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RESULT 6
US-10-741-601-5759
; Sequence 5759, Application US/10741601
; Publication No. US20040168519A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL0001500
; CURRENT APPLICATION NUMBER: US/10/741.601
; NUMBER OF SEQ ID NOS: 26415
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5759
; LENGTH: 13682
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-741-601-5759

Query Match      99.9%; Score 902.2; DB 19; Length 13682;
Best Local Similarity 99.8%; Pred. No. 1.4e-221;
Matches 901; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGACCTGCCCGCAGCTCTCTCGGCTCTATGTGGCCGCTTGTGGCTGGGCTTC 60
DB |||||
QY 6002 ATGACCTGCCCGCAGCTCTCTCGGCTCTATGTGGCCGCTTGTGGCTGGGCTTC 6061
DB |||||
QY 61 CCCTCAACGCTCTGGCCATCCGAGCGCGACGCCGCCACGCCCGGCTCGCTCACCCCT 120
DB |||||
QY 6062 CCCTCAACGCTCTGGCCATCCGAGCGCGACGCCGCCACGCCCGGCTCGCTCACCCCT 6121
DB |||||
QY 121 AGCTGTGTACGCTTGAACCTGGGCTGTCCGACCTGTGTGACAGTCTCTGCCC 180
DB |||||
QY 6122 AGCTGTGTACGCTTGAACCTGGGCTGTCCGACCTGTGTGACAGTCTCTGCCC 6181
DB |||||
QY 181 CTGAAGCGGTGGAGCGCTAGCTCCGGGCGCTGCGCTCGCGGCTCGCTGCGGCTTC 240
DB |||||
QY 6182 CTGAAGCGGTGGAGCGCTAGCTCCGGGCGCTGCGCTCGCGGCTCGCTGCGGCTTC 6241
DB |||||
QY 241 GTCTTTGGGTGGAGGCTCCAGAGGCTGGCTGGACCAAGCAACCTCCCTGGGCATC 300
DB |||||
QY 6242 GTCTTTGGGTGGAGGCTCCAGAGGCTGGCTGGACCAAGCAACCTCCCTGGGCATC 6301
DB |||||
QY 301 AGTGCAGCGCTACCTGGGAGAGGCTTCCCTTGGGCTTACCAAGCTTCGAGGCGCG 360
DB |||||
QY 6302 AGTGCAGCGCTACCTGGGAGAGGCTTCCCTTGGGCTTACCAAGCTTCGAGGCGCG 6361
DB |||||
QY 361 TGCTATTCTCGGGGGGTGTGCGGCGCATCTGCGGCTCGCTGCTGACCTCTGCGGCTG 420
DB |||||
QY 6362 TGCTATTCTCGGGGGGTGTGCGGCGCATCTGCGGCTCGCTGCTGACCTCTGCGGCTG 6421
DB |||||
QY 421 AACACACCGGTCAACGGCTCTCGGCTTGGGCTTACCAAGCTTCGAGGCGCG 480
DB |||||
QY 6422 GTCTTTGGGTGGAGGCTCCAGAGGCTGGCTGGACCAAGCAACCTCCCTGGGCATC 6481
DB |||||
QY 481 AACACACCGGTCAACGGCTCTCGGCTTGGGCTTACCAAGCTTCGAGGCGCG 540
DB |||||
QY 6482 AACACACCGGTCAACGGCTCTCGGCTTGGGCTTACCAAGCTTCGAGGCGCG 6541
DB |||||
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6722 AAGCCTCCAAACGTGGCCAGCTTCTGTATACCCCAATCTAGGAGGCTCTCTGGCGGAAGCTG 6781
QY 781 GGCTCATCACCGGTGCTGGAGTGTGTGCTTAATCCGCTGTGTGACCGGTTACTTTGGGA 840
DB |||||
6782 GGCTCATCACCGGTGCTGGAGTGTGTGCTTAATCCGCTGTGTGACCGGTTACTTTGGGA 6841
QY 841 AGGGTCTTGGCTTGAAGACAGTGTGTGGGCAAGAACCAAGGGGGCAAGTCCCAAGAG 900
DB |||||
6842 AGGGTCTTGGCTTGAAGACAGTGTGTGGGCAAGAACCAAGGGGGCAAGTCCCAAGAG 6901
QY 901 TAA 903
DB |||
6902 TAA 6904

RESULT 7
US-10-741-600-17948
; Sequence 17948, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001499
; CURRENT APPLICATION NUMBER: US/10/741.600
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17948
; LENGTH: 13682
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-741-600-17948

Query Match      99.9%; Score 902.2; DB 21; Length 13682;
Best Local Similarity 99.8%; Pred. No. 1.4e-221;
Matches 901; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGACCTGCCCGCAGCTCTCTCGGCTCTATGTGGCCGCTTGTGGCTGGGCTTC 60
DB |||||
QY 6002 ATGACCTGCCCGCAGCTCTCTCGGCTCTATGTGGCCGCTTGTGGCTGGGCTTC 6061
DB |||||
QY 61 CCCTCAACGCTCTGGCCATCCGAGCGCGACGCCGCCACGCCCGGCTCGCTCACCCCT 120
DB |||||
QY 6062 CCCTCAACGCTCTGGCCATCCGAGCGCGACGCCGCCACGCCCGGCTCGCTCACCCCT 6121
DB |||||
QY 121 AGCTGTGTACGCTTGAACCTGGGCTGTCCGACCTGTGTGACAGTCTCTGCGCC 180
DB |||||
QY 6122 AGCTGTGTACGCTTGAACCTGGGCTGTCCGACCTGTGTGACAGTCTCTGCGCC 6181
DB |||||
QY 181 CTGAAGCGGTGGAGCGCTAGCTCCGGGCGCTGCGCTCTGCGGCTCGCTGCGGCTTC 240
DB |||||
QY 6182 CTGAAGCGGTGGAGCGCTAGCTCCGGGCGCTGCGCTCTGCGGCTCGCTGCGGCTTC 6241
DB |||||
QY 241 GTCTTTGGGTGGAGGCTCCAGAGGCTGGCTGGACCAAGCAACCTCCCTGGGCATC 300
DB |||||
QY 6242 GTCTTTGGGTGGAGGCTCCAGAGGCTGGCTGGACCAAGCAACCTCCCTGGGCATC 6301
DB |||||
QY 301 AGTGCAGCGCTACCTGGGAGAGGCTTCCCTTGGGCTTACCAAGCTTCGAGGCGCG 360
DB |||||
QY 6302 AGTGCAGCGCTACCTGGGAGAGGCTTCCCTTGGGCTTACCAAGCTTCGAGGCGCG 6361
DB |||||
QY 361 TGCTATTCTCGGGGGGTGTGCGGCGCATCTGCGGCTCGCTGCTGACCTCTGCGGCTG 420
DB |||||
QY 6362 TGCTATTCTCGGGGGGTGTGCGGCGCATCTGCGGCTCGCTGCTGACCTCTGCGGCTG 6421
DB |||||
QY 421 GTCTTTGGGTGGAGGCTCCAGAGGCTGGCTGGACCAAGCAACCTCCCTGGGCATC 480
DB |||||
QY 6422 GTCTTTGGGTGGAGGCTCCAGAGGCTGGCTGGACCAAGCAACCTCCCTGGGCATC 6481
DB |||||
QY 481 AACACACCGGTCAACGGCTCTCGGCTTGGGCTTACCAAGCTTCGAGGCGCG 540
DB |||||
QY 6482 AACACACCGGTCAACGGCTCTCGGCTTGGGCTTACCAAGCTTCGAGGCGCG 6541
DB |||||
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QY 541 CCGGCCGCTCAGCCCTCTCTCCCTGCTCTTTTCTGCCCCTTGCCCATCACAGCCTTC 600
Db 6542 CCGGCCGCTCAGCCCTCTCTCTCCCTGCTCTTTTCTGCCCCTTGCCCATCACAGCCTTC 6601
QY 601 TGCTACGTGGGCTGCTCCGGGCACTTGGCCCTCGCTCCGGCTGACGACACAGGCGGAAGCTG 660
Db 6602 TGCTACGTGGGCTGCTCCGGGCACTTGGCCCTCGCTCCGGCTGACGACACAGGCGGAAGCTG 6661
QY 661 CCGGCCGCTGGTGGCCGGGGGCTTCTCCAGCTGCTCTGCTGCTGCTAGGACCTTAC 720
Db 6662 CCGGCCGCTGGTGGCCGGGGGCTTCTCCAGCTGCTCTGCTGCTGCTAGGACCTTAC 721
QY 721 AACGCTCTCAACGTGGCCAGCTTCTCTGTATCCCAATCTAGGAGGCTCTTGGCGGAAGCTG 780
Db 6722 AACGCTCTCAACGTGGCCAGCTTCTCTGTATCCCAATCTAGGAGGCTCTTGGCGGAAGCTG 6781
QY 781 GGGCTCATCACGGGTGCTGGAGTGTGTGCTTAATCCGCTGGTGAACGGTTACTTGGGA 840
Db 6782 GGGCTCATCACGGGTGCTGGAGTGTGTGCTTAATCCGCTGGTGAACGGTTACTTGGGA 6841
QY 841 AGGGTCTGGCTGAAGACAGTGTGGCGCAAGAACCAAGGGGGCAAGTCCCAAG 900
Db 6842 AGGGTCTGGCTGAAGACAGTGTGGCGCAAGAACCAAGGGGGCAAGTCCCAAG 6901
QY 901 TAA 903
Db 6902 TAA 6904

RESULT 8
US-10-741-601-5669
; Sequence 5669, Application US/10741601
; Publication No. US20040166519A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: STENOSIS, METHODS OF DETECTION AND USES THEREOF
; CURRENT APPLICATION NUMBER: US/10/741,601
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 26415
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5669
; LENGTH: 30192
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-741-601-5669

Query Match 99.9%; Score 902.2; DB 19; Length 30192;
Best Local Similarity 99.8%; Pred. No. 1.3e-221;
Matches 901; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGACCTGCCCGCAGCTCTCTTGGCCCTATGTGGCCCTTGTGGCCCTTGGCCCTTGC 60
Db 28384 ATGGACCTGCCCGCAGCTCTCTTGGCCCTATGTGGCCCTTGTGGCCCTTGGCCCTTGC 28443
QY 61 CCGCTCAAGCTCTGGCCATCCGAGCGCGACGCGCCACGCGGCTCGCTCAACCTT 120
Db 28444 CCGCTCAAGCTCTGGCCATCCGAGCGCGACGCGCCACGCGGCTCGCTCAACCTT 28503
QY 121 AGCCTGGTCTAGCCCTGAACTGGGCTGCTCCGACCTGCTGTGACAGTCTCTCTGCCC 180
Db 28504 AGCCTGGTCTAGCCCTGAACTGGGCTGCTCCGACCTGCTGTGACAGTCTCTCTGCCC 28563
QY 181 CTGAAGCGGTGAGCGCTAGCCTCCGGGGCTGTGGCCCTGTCCGGGCTGTGTGCCCC 240
Db 28564 CTGAAGCGGTGAGCGCTAGCCTCCGGGGCTGTGGCCCTGTCCGGGCTGTGTGCCCC 28623
QY 241 GTCCTCGCGTGGCCACCTTCTCCACACTATGCGGGGGGCTTCTGCGCCGCTG 300
Db 28624 GTCCTCGCGTGGCCACCTTCTCCACACTATGCGGGGGGCTTCTGCGCCGCTG 28683
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QY 301 AGTGAGGCGGCTACCTCGGAGCAGCCTTCCCTTTGGGCTACCAAGCCTTCGGAGGCGG 360
Db 28684 AGTGAGGCGGCTACCTCGGAGCAGCCTTCCCTTTGGGCTACCAAGCCTTCGGAGGCGG 28743
QY 361 TGCTAATTCCTGGGGGTGTGGCGGCCATCTGGGCCCTCTGCTGTGTCACTTGGGTCTG 420
Db 28744 TGCTAATTCCTGGGGGTGTGGCGGCCATCTGGGCCCTCTGCTGTGTCACTTGGGTCTG 28803
QY 421 GTCCTTTGGGTTGGAGGCTCCAGGAGGCTGGTGACACACAGCAACACCTCTCGGCATC 480
Db 28804 GTCCTTTGGGTTGGAGGCTCCAGGAGGCTGGTGACACACAGCAACACCTCTCGGCATC 28863
QY 481 AACACACCGGTCAACGGCTCTCCGCTCTGGAGGCTGGGACCCGGCCTCTCCCGGC 540
Db 28864 AACACACCGGTCAACGGCTCTCCGCTCTGGAGGCTGGGACCCGGCCTCTCCCGGC 28923
QY 541 CCGGCCGCTTACGCTCTCTCTCTCTCTTTTCTTGCCCTTGGCCATCACAGCCTTC 600
Db 28924 CCGGCCGCTTACGCTCTCTCTCTCTCTTTTCTTGCCCTTGGCCATCACAGCCTTC 28983
QY 601 TGCTACGTGGGCTGCTCCGGGCACTTGGCCGCTCCGCGCTGACGACAGCGGAAGCTG 660
Db 28984 TGCTACGTGGGCTGCTCCGGGCACTTGGCCGCTCCGCGCTGACGACAGCGGAAGCTG 29043
QY 661 CCGGCCGCTGGGTGGCGGGGCTCTCTCAAGCTGTCTGTGTGTAGGACCTTAC 720
Db 29044 CCGGCCGCTGGGTGGCGGGGCTCTCTCAAGCTGTCTGTGTGTAGGACCTTAC 29103
QY 721 AACGCTCTCAACGTGGGCGAGCTTCTGTACCCCAATCTAGGAGGCTCTTGGCGGAAGCTG 780
Db 29104 AACGCTCTCAACGTGGGCGAGCTTCTGTACCCCAATCTAGGAGGCTCTTGGCGGAAGCTG 29163
QY 781 GGGCTCATCACGGGTGCTGGAGTGTGTGCTTAATCCGCTGTGACCGGTTACTTGGGA 840
Db 29164 GGGCTCATCACGGGTGCTGGAGTGTGTGCTTAATCCGCTGTGACCGGTTACTTGGGA 29223
QY 841 AGGGTCTTGGCCTGAAGACAGTGTGTGGCGCAAGAACGCAAGGGGGCAAGTCCCAAG 900
Db 29224 AGGGTCTTGGCCTGAAGACAGTGTGTGGCGCAAGAACGCAAGGGGGCAAGTCCCAAG 29283
QY 901 TAA 903
Db 29284 TAA 29286

RESULT 9
US-10-741-600-17700
; Sequence 17700, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17700
; LENGTH: 30192
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(30192)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-7)
US-10-741-600-17700

Query Match 99.9%; Score 902.2; DB 21; Length 30192;
Best Local Similarity 99.8%; Pred. No. 1.3e-221;
Matches 901; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGACCTGCCCGCCGACGCTCTCTTGGCCCTCTATGTGGCCCTTGTGGCCCTTGC 60
```


Db 781 GGGCTCATACGGGTGCCCTGGAGTGTGGTCTTAATCCGCTGGTGAACCGGTACTTTGGGA 840
QY 841 AGGGGTCTTGGCTTGAAGACAGTGTCTGGCGCAAGAACCAAGGGGGCAAGTCCCAAG 900
Db 841 AGGGGTCTTGGCTTGAAGACAGTGTCTGGCGCAAGAACCAAGGGGGCAAGTCCCAAG 900
RESULT 11
US-10-505-486-16
; Sequence 16, Application US/10505486
; Publication No. US20050118639A1
; GENERAL INFORMATION:
; APPLICANT: Takeda Chemical Industries, Ltd.
; TITLE OF INVENTION: Determination of a ligand
; FILE REFERENCE: P03-0006PCT
; CURRENT APPLICATION NUMBER: US/10/505,486
; CURRENT FILING DATE: 2004-08-20
; PRIOR APPLICATION NUMBER: JP 2002-45728
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: JP 2002-213949
; PRIOR FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: JP 2002-298237
; PRIOR FILING DATE: 2002-10-11
; NUMBER OF SEQ ID NOS: 233
; SEQ ID NO 16
; LENGTH: 900
; TYPE: DNA
; ORGANISM: Human
US-10-505-486-16

Query Match 99.7%; Score 900; DB 21; Length 900;
Best Local Similarity 100.0%; Pred. No. 6,1e-221;
Matches 900; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATGAGCTTGCCTCCCGGAGCTCTCTTCGGGCTCTATGTGGCGCCCTTTGGCTGGGCTTC 60
Db 1 ATGAGCTTGCCTCCCGGAGCTCTCTTCGGGCTCTATGTGGCGCCCTTTGGCTGGGCTTC 60
QY 61 CGCTCAACGTCTCTGGCCATCCGAGCGCGAGCGGCCACCGCGGCTCCGTCTCACCCCT 120
Db 61 CGCTCAACGTCTCTGGCCATCCGAGCGCGAGCGGCCACCGCGGCTCCGTCTCACCCCT 120
QY 121 AGCTTGGTCTACGCCCTGAACCTTGGGCTGTCTCGACCTGTCTGTGACAGTCTCTTGCCC 180
Db 121 AGCTTGGTCTACGCCCTGAACCTTGGGCTGTCTCGACCTGTCTGTGACAGTCTCTTGCCC 180
QY 181 CTGAAGCGGTGAGCGGTAGCTTCGGGGCTTGGGCTTGGGCGCTTGGCGGCTTGGCGGCT 240
Db 181 CTGAAGCGGTGAGCGGTAGCTTCGGGGCTTGGGCTTGGGCGCTTGGCGGCTTGGCGGCT 240
QY 241 GTCTTCGGGTGGCCACCTTCTCCACCTATGCGCGGGGGCTTCTTGGCGGCGGCTG 300
Db 241 GTCTTCGGGTGGCCACCTTCTCCACCTATGCGCGGGGGCTTCTTGGCGGCGGCTG 300
QY 301 AGTCAGGCGCTTACCTTGGGAGCAGCTTCCCTTGGGCTTACCAAGCTTTCGGAGCGCG 360
Db 301 AGTCAGGCGCTTACCTTGGGAGCAGCTTCCCTTGGGCTTACCAAGCTTTCGGAGCGCG 360
QY 361 TGCTATTCTTGGGGGTGTGCGGGCCATCTGGGGCTTGGGCTTGGGCTTGGGCTTGGGCT 420
Db 361 TGCTATTCTTGGGGGTGTGCGGGCCATCTGGGGCTTGGGCTTGGGCTTGGGCTTGGGCT 420
QY 421 GTCTTTGGGTGGAGGCTCCAGAGGCTGGCTGGACACAGCAACACCTCCCTGGGCAATC 480
Db 421 GTCTTTGGGTGGAGGCTCCAGAGGCTGGCTGGACACAGCAACACCTCCCTGGGCAATC 480
QY 481 AACACACCGGTCAACGGCTCTCCGGTCTTGGCTTGGAGGCTTGGAGCCCGGCTTTCGGCG 540
Db 481 AACACACCGGTCAACGGCTCTCCGGTCTTGGCTTGGAGGCTTGGAGCCCGGCTTTCGGCG 540
QY 541 CCGGCGGCTTACGCT 600

Db 541 CCGGCGGCTTACGCT 600
QY 601 TGCTACGTGGGTGCTCTCCGGGCACTGGCCCGCTTCCGGCTTACGACACAGCGGGAAGCTG 660
Db 601 TGCTACGTGGGTGCTCTCCGGGCACTGGCCCGCTTCCGGCTTACGACACAGCGGGAAGCTG 660
QY 661 CCGGCGGCTTGGGTGGCGGGGCGCTCTCTCAGCTGTCTGTCTGTGCTGTGCTGTGCTGT 720
Db 661 CCGGCGGCTTGGGTGGCGGGGCGCTCTCTCAGCTGTCTGTCTGTGCTGTGCTGTGCTGT 720
QY 721 AACGCTCTCAACGTGGCGGCTTCTGTACCCCAATCTAGGAGGCTCTTGGCGGGAAGCTG 780
Db 721 AACGCTCTCAACGTGGCGGCTTCTGTACCCCAATCTAGGAGGCTCTTGGCGGGAAGCTG 780
QY 781 GGGCTCATCAGGGTGGCTTGGAGTGTGTGCTTAAATCCGCTGTGACCGGTTACTTTGGGA 840
Db 781 GGGCTCATCAGGGTGGCTTGGAGTGTGTGCTTAAATCCGCTGTGACCGGTTACTTTGGGA 840
QY 841 AGGGTCTCTGGCTGAAGACAGTGTGTGGCGCAAGAACGCAAGGGGGCAAGTCCCAAG 900
Db 841 AGGGTCTCTGGCTGAAGACAGTGTGTGGCGCAAGAACGCAAGGGGGCAAGTCCCAAG 900
RESULT 12
US-10-251-385-271
; Sequence 271, Application US/10251385
; Publication No. US20030105292A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. US20030105292A1-Endogenous, Constitutively Activated Human G
; TITLE OF INVENTION: Protein-Coupled
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/10/251,385
; CURRENT FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: US/09/170,496
; PRIOR FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 271
; LENGTH: 903
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-251-385-271

Query Match 99.5%; Score 898.2; DB 15; Length 903;
Best Local Similarity 99.7%; Pred. No. 1.8e-220;
Matches 900; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1 ATGAGCTTGCCTCCCGGAGCTCTCTTCCTTCGGGCTCTATGTGGCGGCTTTCGGCTGGGCTTC 60
Db 1 ATGAGCTTGCCTCCCGGAGCTCTCTTCCTTCGGGCTCTATGTGGCGGCTTTCGGCTGGGCTTC 60
QY 61 CGCTCAACGTCTTGGCCATCCGAGCGCGAGCGGCCCAAGCGGCTCCGTCTCACCCCT 120
Db 61 CGCTCAACGTCTTGGCCATCCGAGCGCGAGCGGCCCAAGCGGCTCCGTCTCACCCCT 120
QY 121 AGCTTGGTCTAGCCCTGAACTTGGGCTGTCTCCGACCTTGGCTGACAGTCTCTTGCCC 180
Db 121 AGCTTGGTCTAGCCCTGAACTTGGGCTGTCTCCGACCTTGGCTGACAGTCTCTTGCCC 180
QY 181 CTGAAGCGGTGAGCGGTAGCTTCCGCGGCTTGGCTTGGCGGCTTGGCTTGGCGGCTTGGCGG 240
Db 181 CTGAAGCGGTGAGCGGTAGCTTCCGCGGCTTGGCTTGGCGGCTTGGCTTGGCGGCTTGGCGG 240
QY 241 GTCTTTCGGGTGGCCCACTTCTTCCCACTATGATGCGCGGGGGCTTCTTGGCGGCGGCTT 300
Db 241 GTCTTTCGGGTGGCCCACTTCTTCCCACTATGATGCGCGGGGGCTTCTTGGCGGCGGCTT 300
QY 301 AGTCAGGCGGTACTTGGGAGCAGCTTCCCTTGGGCTTACCAAGCTTTCGGAGGCGG 360

Db 301 AGTCAGGCGCTACCTGGGAGCAGCCTTCCCTTGGGCTACCAAGCCTTCGGAGGCG 360
Qy 361 TGCTATTCTCTGGGGGTGTGGCGGCCCATCTGGGCCCTCTGCTGTGTACCTGGGTCTG 420
Db 361 TGCTATTCTCTGGGGGTGTGGCGGCCCATCTGGGCCCTCTGCTGTGTACCTGGGTCTG 420
Qy 421 GTCTTTGGGTGGAGGCTCCAGAGGCTGTGCTGACACAGCAACACCTCCCTGGGCATC 480
Db 421 GTCTTTGGGTGGAGGCTCCAGAGGCTGTGCTGACACAGCAACACCTCCCTGGGCATC 480
Qy 481 AACACACCGGTCAACGGCTCTCCGGTCTGCTGGAGGCTGGACCCGGCTCTGCGGC 540
Db 481 AACACACCGGTCAACGGCTCTCCGGTCTGCTGGAGGCTGGACCCGGCTCTGCGGC 540
Qy 541 CCGGCCGCTTCAAGCCT 600
Db 541 CCGGCCGCTTCAAGCCT 600
Qy 601 TGCTAGTGGGCTGCTCCGGGCACTGGCGGCTCCGGGCTGACGACAGGCGGAAGCTG 660
Db 601 TGCTAGTGGGCTGCTCCGGGCACTGGCGGCTCCGGGCTGACGACAGGCGGAAGCTG 660
Qy 661 CCGGCCGCTTCAAGCCT 720
Db 661 CCGGCCGCTTCAAGCCT 720
Qy 721 AACGCTTCAACGTGGCGAGCTTCTCTGTACCCCAATCTAGGAGGCTCTGGCGGAAGCTG 780
Db 721 AACGCTTCAACGTGGCGAGCTTCTCTGTACCCCAATCTAGGAGGCTCTGGCGGAAGCTG 780
Qy 781 GGCTCATCAGGCTGCTGGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 840
Db 781 GGCTCATCAGGCTGCTGGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 840
Qy 841 AGGGTCTCTGCTGAAGACAGTGTGTGGGCAAGAACGCAAGGGGGCAAGTCCCAAGAG 900
Db 841 AGGGTCTCTGCTGAAGACAGTGTGTGGGCAAGAACGCAAGGGGGCAAGTCCCAAGAG 900
Qy 901 TAA 903
Db 901 TAA 903

RESULT 13
US-10-504-726-18
; Sequence 18, Application US/10504726
; Publication No. US20050089866A1
; GENERAL INFORMATION:
; APPLICANT: Takeda Chemical Industries, Ltd.
; TITLE OF INVENTION: Novel Screening Method
; FILE REFERENCE: P04-071PCT
; CURRENT APPLICATION NUMBER: US/10/504,726
; CURRENT FILING DATE: 2004-08-13
; PRIOR APPLICATION NUMBER: JP 2002-037131
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: JP 2002-204163
; PRIOR FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: JP 2002-328696
; PRIOR FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: JP 2003-14032
; PRIOR FILING DATE: 2003-01-22
; NUMBER OF SEQ ID NOS: 41
; SEQ ID NO 18
; LENGTH: 900
; TYPE: DNA
; ORGANISM: Monkey
US-10-504-726-18
Query Match 93.1%; Score 840.8; DB 21; Length 900;
Best Local Similarity 95.9%; Pred. No. 8.9e-206;
Matches 863; Conservative 0; Mismatches 37; Indels 0; Gaps 0;
Qy 1 ATGGACCTGCCCCGGCAGCTCTCTTGGGCTCTATGTGGCGGCTTTTGGGCTGGGCTTC 60

Db 1 ATGGACCTGCCCCGGCAGCTCTCTTGGGCTCTATGTGGCGGCTTTTGGGCTGGGCTTC 60
Qy 61 CCGCTCAACGCTCTTGCCCATCCGAGCGGAGCGCCACGCCCGGCTCTGCTCTCACCCCT 120
Db 61 CCGCTCAACGCTCTTGCCCATCCGAGGGGAGGGCCACGCCCGGCGCTCTCACCCCG 120
Qy 121 AGCTGGTCTACGCCCTGAACCTGGGCTGCTCCGACCTGCTGTGACAGTCTCTCTGCCC 180
Db 121 AGCTGGTCTACGCCCTGAACCTGGGCTGCTCCGACCTGCTGTGACAGTCTCTCTGCCC 180
Qy 181 CTGAAGGGCGTGAAGCGCTAGCCTCCGGGCTGCGCTCTGCGGCTCTGCTGTGCGCCC 240
Db 181 CTGAAGGGCGTGAAGCGCTGCGCTCTGCGGCTCTGCGGCTCTGCTGTGCGCCC 240
Qy 241 GTCTTTCGGGCTGGCCCACTTCTTCCACCTCTATGCGCGGGGGCTTCTGCGCGCCCTG 300
Db 241 GTCTTTCGGGCTGGCCCACTTCTTCCACCTCTATGCGCGGGGGCTTCTGCGCGCCCTG 300
Qy 301 AGTCAGGCGCTTACCTGGGAGCAGCTTCCCTCTGGGCTACCAAGCCTTCGGAGGCGG 360
Db 301 AGTCAGGCGCTTACCTGGGAGCAGCTTCCCTCTGGGCTACCAAGCCTTCGGAGGCGG 360
Qy 361 TGCTATTCTGCGGGGTGTGCGGCGCATCTGCGGCCCTGCTGTGTGTGTGTGTGTGTGT 420
Db 361 TGCTATTCTGCGGGGTGTGCGGCGCATCTGCGGCCCTGCTGTGTGTGTGTGTGTGTGT 420
Qy 421 GTCTTTGGGTTGGAGGCTCCAGAGGCTGGCTGGACCAAGCAACACCTTCTCTGGGCATC 480
Db 421 GTCTTTGGTGGAGGCTCCGGAGGCTGGCTGGACCAAGCAACACCTTCTCTGGGCATC 480
Qy 481 AACACACCGGTCAACGGCTCTCCGGTCTGCGGTGGAGGCTGGGACCCGGCTCTGCGGC 540
Db 481 AACACACCGGTCAACGGCTCTCCGGTCTGCGGTGGAGGCTGGGACCCGGCTCTGCGGC 540
Qy 541 CCGGCCGCTTCAAGCCT 600
Db 541 CCGGCCGCTTCAAGCCT 600
Qy 601 TGCTAGTGGGCTGCTCCGGGCACTGGCGGCTCCGGGCTGACGACAGGCGGAAGCTG 660
Db 601 TGCTAGTGGGCTGCTCCGGGCACTGGCGGCTCCGGGCTGACGACAGGCGGAAGCTG 660
Qy 661 CCGGCCGCTTCAAGCCT 720
Db 661 CCGGCCGCTTCAAGCCT 720
Qy 721 AACGCTTCAACGTGGCGAGCTTCTCTGTACCCCAATCTAGGAGGCTCTGGCGGAAGCTG 780
Db 721 AACGCTTCAACGTGGCGAGCTTCTCTGTACCCCAATCTAGGAGGCTCTGGCGGAAGCTG 780
Qy 781 GGCTCATCAGGCTGCTGGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 840
Db 781 GGCTCATCAGGCTGCTGGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 840
Qy 841 AGGGTCTCTGCTGAAGACAGTGTGTGGGCAAGAACGCAAGGGGGCAAGTCCCAAGAG 900
Db 841 AGGGTCTCTGCTGAAGACAGTGTGTGGGCAAGAACGCAAGGGGGCAAGTCCCAAGAG 900
RESULT 14
US-10-504-726-30
; Sequence 30, Application US/10504726
; Publication No. US20050089866A1
; GENERAL INFORMATION:
; APPLICANT: Takeda Chemical Industries, Ltd.
; TITLE OF INVENTION: Novel Screening Method
; FILE REFERENCE: P04-071PCT
; CURRENT APPLICATION NUMBER: US/10/504,726
; CURRENT FILING DATE: 2004-08-13
; PRIOR APPLICATION NUMBER: JP 2002-037131
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: JP 2002-204163

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; PRIOR FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: JP 2002-328696
; PRIOR FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: JP 2003-14032
; PRIOR FILING DATE: 2003-01-22
; NUMBER OF SEQ ID NOS: 41
; SEQ ID NO 30
; LENGTH: 900
; TYPE: DNA
; ORGANISM: Hamstar
US-10-504-726-30

Query Match      67.8%; Score 612; DB 21; Length 900;
Best Local Similarity 80.0%; Pred. No. 3.6e-147;
Matches 720; Conservative 0; Mismatches 180; Indels 0; Gaps 0;

QY 1 ATGGACCTGCCCGCAGCTCTCTTCGGCCCTCTATGTGGCGCCCTTTGCGTGGGCTTC 60
DB ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1 ATGGCCCTGTCTCCCAACTCTTCTTCGGCCCTCTATGTGTCTGCTTTCGGCTGGGCTTC 60
QY 61 CGCTCAACGCTCTGCCATCCGAGCGCGACGGCCCAAGCCGCGCTCGTCTCACCCCT 120
DB ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
61 CGCTGAACCTGTGGCCATCCGAGCGCGGTGGCCCGTGCAAGGCTCGGCTCACCCCT 120
QY 121 AGCCTGGTCTACGCCCTGAACCTGGGCTGCTCGACCTGCTGTGACAGTCTCTCTGCC 180
DB ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
121 AACCTGGTCTATACACTCCACCTGGGCTGCTGTGACCTGCTCTGGCCATCAGCTACCC 180
QY 181 CTGAAGCGGTGGAGCGGTAGCCTCCGGGGCTTGCCTGCGGCGCTGCGTGTGCCCC 240
DB ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
181 GTGAAGCGGTGGAGCGGTGGCTTCCCACTCTATGCGGGGGGGGCTTCTGCGGCTCTC 240
QY 241 GTCTTCGGCGTGGCCCACTCTTCCCACTCTATGCGGGGGGGGCTTCTGCGGCTCTC 300
DB ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
241 GTCTTTGTCTTGGTGACTTCGCCCCCACTCTATGCGGGCGGAGGCTTCCTGCGGCTCTC 300
QY 301 AGTGAGCGCGGTACCTGGGAGCAGGCTTCCCTTGGGCTACCAAGCCCTCCGGAGGCG 360
DB ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
301 AGTGCTGGCGGTACTCTGGGGGTGCTTCCCTTCGGGTACCAAGCGGCTTCGGCGGCC 360
QY 361 TGTATTCTTGGGGGTGTGCGCGGCATCTGGGCGCTTGCCTGTGTGTCACCTGGGTCTG 420
DB ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
361 CGTACTCTCTGGGCGGTGTGTGGCTATATGGGCGCTTGTCTCTGCTCCACATGCGGCTG 420
QY 421 GTCTTTGGGTGGAGGCTCCAGAGGCTGGGACCAAGCAACACCTCCCTGGGATC 480
DB ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
421 GTCTTTGGGTGGAGGCTCCAGAGGCTGGGATCCAGCAACACCTCCCTGGGATC 480
QY 481 AACGCTCCAACTGGCGAGTCTCTGTATCCCAATCTAGGAGGCTCTTGGCGGAAGCTG 780
DB ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
721 AATGCTCCAAATGGCGAGTTCGTAAACCCGGAACCTGGGAGGCTCTCTGGAGAGCTG 780
QY 781 GGGCTCATACGGGTGCTGGAGTGGTGTAAATCCGCTGTGTACCGGTTACTTGGGA 840
DB ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
781 GGGCTCATACAGGGTCTGGAGTGGTGTAAATCCGCTGTGTACCGGTTACTTGGGA 840
QY 841 AGGGTCTCTGGCCTGAAGACAGTGTGTGGGCAAGAACGCAAGGGGGCAAGTCCCAAGAG 900
```

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Db 841 GCAAGTCTTGCCCGGAGGACAGTATGTACGACAGGACTCAAGGAGGAACAATTTCAGAG 900
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
US-10-451-007B-3
RESULT 15
US-10-451-007B-3
; Sequence 3, Application US/10451007B
; Publication No. US20040137517A1
; GENERAL INFORMATION:
; APPLICANT: Glaxo Group Limited
; APPLICANT: Briscoe, Celia
; APPLICANT: Ignar, Diane
; APPLICANT: Muir, Alison
; APPLICANT: Tadayon, Mohammed
; TITLE OF INVENTION: Method of Screening for GPR40 Ligands
; FILE REFERENCE: P32745
; CURRENT APPLICATION NUMBER: US/10/451,007B
; CURRENT FILING DATE: 2003-01-12
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 903
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(900)
US-10-451-007B-3
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Query Match      66.9%; Score 604.4; DB 19; Length 903;
Best Local Similarity 79.4%; Pred. No. 3.1e-145;
Matches 716; Conservative 0; Mismatches 186; Indels 0; Gaps 0;

QY 1 ATGGACCTGCCCGCAGCTCTCTTCGGCCCTCTATGTGGCGCCCTTTGCGTGGGCTTC 60
DB ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1 ATGGACCTGCCCGCAGCTCTCTTCGCTCTCTATGTATGTGCTTTGCGTGGGCTTT 60
QY 61 CGCTCAACGCTCTCGCCATCCGAGCGCGAGCGGCCACGCCCGGCTCCGCTCTCACCCCT 120
DB ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
61 CCATTGAACCTGTGTAGCCATCCGAGCGCAGTGTCCACGCTAAACTGGGACTACTGCC 120
QY 121 AGCCTGGTCTAGCCCTCGAACCTGGGCTGTCCGACCTGCTGTGACAGTCTCTCTGCC 180
DB ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
121 AGCTTGGTCTACACTCTCCATCTGGGCTGTCTGATCTCTACTTGGCCATCACTCTGCC 180
QY 181 CTGAAGCGGTGGAGCGCTAGCCTCCGGGGCTTGGCCCTCTGCGGCGCTCGTGTGCC 240
DB ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
181 CTGAAGCGGTGGAGGCGCTTGGCTTCTGGAGCCTGGCCCTCTGCCCTTCTGCCCCA 240
QY 241 GTCTTCGGGTGGCCCACTTCTTCCACTCTATGCGCGGGGGCTTCTTGCGCCCGCTG 300
DB ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
241 GTCTTTGGCTTGGCCCACTTTGCTCCCTCTACGACAGCGGAGGCTTCTAGCTGCTCTC 300
QY 301 AGTGACGCGGCTACTCTGGGAGCAGCTTCCCTTTGGGCTACCAAGCCTTCGGAGGCG 360
DB ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
301 AGCGCTGGCGCTACTCTGGGCGCTGCCCTTCCCTTCCGCTACCAAGCCATCCGAGGCG 360
QY 361 TGCTATTCTGGGGGTGTGCGGCCCATCTGGGCGCTCTGCTGTGTACCTGGGCTCTG 420
DB ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
361 CGCTATTCTGGGGGTGTGTGTGGCTATATGGGCGCTTGTCTCTGCGCCCTGGGGCTG 420
QY 421 GTCTTTGGGTGGAGGCTCCAGAGGCTGGGTGGACCAAGCAACACCTCCCTGGGCTATC 480
DB ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
421 GCCCTTGGCTTGGAGACTTCCGAAGCTGGCTGGACACAGTACCAAGTCTCTCTGGGCTC 480
QY 481 AACACACCGGTAAACGGCTCTCCGCTGTGCCCTGTGGAGGCTTGGGACCCGCGCTCT 540
DB ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
481 AACATACCGTGAATGGCTCCCGGCTCTGCCCTGTGGAGGCTTGGGATCCCGACTCT 540
QY 541 CCGGCGCGCTTTCAGGCTCTCTCTGCTCTTTTCTGCGCTTGGCGCATCACAGCTTC 600
DB ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
541 CCTGCGCGCTTTCAGTTCCTCATTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 600
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Qy	601	TGCTACGTGGCTGCCTCCGGGCACCTGGCCCGCTCCGGCCCTGACGACAGGCGGAAAGCTG	660
Db	601	TGCTATGTGGCTGCCTCCGGGCCCTGGTCGCTCAGGCCCTGAGCCACAAACGGAAGCTC	660
Qy	661	CGGGCCGCTGGGTGGCGGGCCCTCTCAGCTGCTCTGCGTAGGACCCCTAC	720
Db	661	AGGCGAGCTTGGGTGGCGGGAGGCTCTCTCACACTCTGCTCTGCTGGGGCCCTAT	720
Qy	721	AAGCCTCCAAACGTGGCCAGCTTCCTGTACCCCAATCTAGGAGGCTCCTGGCGGAAAGCTG	780
Db	721	AATGCCCTCCAAATGTGGTAGTTTCATAAAACCCGACCTAGGAGGCTCCTGGAGGAAGTTG	780
Qy	781	GGGCTCATCACGGGTGCCTGGAGTGTGCTTAATCCGCTGGTGACCGTTACTTTGGGA	840
Db	781	GGACTCATCACAGGGGCCCTGGAGTGTGGTACTCAACCCACTGGTCACTGGCTACTTTGGGA	840
Qy	841	AGGGTCTCCTGGCCTGAAGACAGTGTGTGCGGCAAGAACGCAAGGGGCAAGTCCCAGAG	900
Db	841	ACAGTCTCTGACGGGGAACATATGTGTGACGAGGACTCAAGAGGNAACAATTTCAGAG	900
Qy	901	TA 902	
Db	901	TA 902	

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Job time : 634 secs

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OM nucleic - nucleic search, using sw model

Run on: August 27, 2005, 00:47:25 ; Search time 157 Seconds
(without alignments)
9411.197 Million cell updates/sec

Title: US-10-202-687-1
Perfect score: 903
Sequence: 1 atggactcgcgcgcagct.....ggggcaagtcaccagaagtaa 903

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	903	100.0	903	4	US-09-170-496D-249
2	898.2	99.5	903	4	US-09-170-496D-271
3	123.4	13.7	1841	2	US-08-820-521-1
4	123.4	13.7	1841	3	US-09-248-715-1
5	123.4	13.7	1841	3	US-09-248-715-1
6	121.8	13.5	1041	4	US-09-170-496D-253
7	118.6	13.1	1041	4	US-09-170-496D-273
8	84.6	9.4	4895	3	US-09-053-866-1
9	84.6	9.4	4895	3	US-09-479-130-1
10	84.6	9.4	4895	4	US-09-472-130A-1
11	80	8.9	1098	4	US-09-170-496D-117
12	80	8.9	1098	4	US-09-170-496D-225
13	80	8.9	1597	2	US-08-724-974A-1
14	80	8.9	1697	4	US-09-364-425B-26
15	78.2	8.7	1050	4	US-09-762-661A-1
16	78.2	8.7	1329	3	US-09-152-060-25
17	77.2	8.5	993	4	US-09-170-496D-257
18	77.2	8.5	2260	2	US-08-788-750-1
19	75.6	8.4	993	4	US-09-170-496D-275
20	73.2	8.1	993	3	US-09-187-710-1
21	70	7.8	1095	4	US-09-743-475-2
22	70	7.8	1910	2	US-09-009-438-1
23	70	7.8	1910	3	US-09-207-493-1
24	70	7.8	4009	4	US-09-743-475-1
25	70	7.8	8831	4	US-09-949-016-15504
26	66.8	7.4	1155	3	US-09-053-866-3
27	66.8	7.4	1155	3	US-09-479-130-3

c

ALIGNMENTS

RESULT 1

US-09-170-496D-249
; Sequence 249, Application US/09170496D
; Patent No. 6555339

; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.

; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protein-coupled Receptors

; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13

; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 249

; LENGTH: 903
; TYPE: DNA
; ORGANISM: Homo sapiens

US-09-170-496D-249
Query Match 100.0%; Score 903; DB 4; Length 903;
Best Local Similarity 100.0%; Pred. No. 1.9e-186;
Matches 903; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	ATGGACCTGCCCGCCGAGCTCTCTCGGCTCTATGTGGCGGCTTTGGCTGGGCTTC	60
DB	1	ATGGACCTGCCCGCCGAGCTCTCTCGGCTCTATGTGGCGGCTTTGGCTGGGCTTC	60
QY	61	CGCTCAACGCTCTGGCCATCCGAGCGCGAGCGCCGCTCCGCTCTCACCCCT	120
DB	61	CGCTCAACGCTCTGGCCATCCGAGCGCGAGCGCCGCTCCGCTCTCACCCCT	120
QY	121	AGCTGGTCTAGCCCTGAACCTGGGCTCTCCGACCTGCTGACATCTCTCTGCCC	180
DB	121	AGCTGGTCTAGCCCTGAACCTGGGCTCTCCGACCTGCTGACATCTCTCTGCCC	180
QY	181	CTGAGGCGGTGGAGCGCTAGCCTCCGGGCTTGGCTTCCGCGCTCGCTGCCCC	240
DB	181	CTGAGGCGGTGGAGCGCTAGCCTCCGGGCTTGGCTTCCGCGCTCGCTGCCCC	240
QY	241	GTCTTCGGGTGGCCACCTCTTCTCCACCTATGCGGCGGGGCTTCTGCGCCGCTTG	300
DB	241	GTCTTCGGGTGGCCACCTCTTCTCCACCTATGCGGCGGGGCTTCTGCGCCGCTTG	300
QY	301	AGTCAGGCGGCTACTGGGAGCAGCTTCCCTTGGGCTACCAAGCTTTCGGAGCGG	360
DB	301	AGTCAGGCGGCTACTGGGAGCAGCTTCCCTTGGGCTACCAAGCTTTCGGAGCGG	360
QY	361	TGCTATTCTGGGGGTGTGCGGGCCATCTGGGCGCTCTGCTGTGTACCTGGGTCTG	420

361	Db		TGCTATTCCTGGGGGGTGTGGCGGCCAATCTGGGCCCTCGTCTGTGTCACTTGGGTCGTG	420
421	Qy		GTCTTTTGGGTGTGAGGCTCCAGGAGGCTGGCTGGACACACAGCAACACCTCCCTTGGGCATC	480
421	Db		GTCTTTGGGTGTGAGGCTCCAGGAGGCTGGCTGGACACACAGCAACACCTCCCTTGGGCATC	480
481	Qy		AACACACCGGTCAACGGCTCTCCGGTCTGCTGTGAGAGCTTGGGACCGGGCTCTGCGGGC	540
481	Db		AACACACCGGTCAACGGGTCTCCGGTCTGCTGTGAGAGCTTGGGACCGGGCTCTGCGGGC	540
541	Qy		CGGGCCCGCTTCAGGCTCTCTCTCTGCTCTCTTTTCTGCGCTTGGCCATCACAGCCTTC	600
541	Db		CGGGCCCGCTTCAGGCTCTCTCTCTGCTCTCTTTTCTGCGCTTGGCCATCACAGCCTTC	600
601	Qy		TGCTACGTGGGTGCTCTCGGSCACTTGGCCGCTCCGGCTTGACGACAGGCGGAAAGCTG	660
601	Db		TGCTACGTGGGTGCTCTCGGSCACTTGGCCGCTCCGGCTTGACGACAGGCGGAAAGCTG	660
661	Qy		CGGGCCCGCTTGGGTGGCGGGGGGCCCTCTCTACGCTGTCTCTGCTGTAGAACCTTAC	720
661	Db		CGGGCCCGCTTGGGTGGCGGGGGGCCCTCTCTACGCTGTCTCTGCTGTAGAACCTTAC	720
721	Qy		AAGCGCTCCAAAGTGGCCAGCTTCTCTGTACCCCAATCTTAGGAGGCTCCTGGCGGAAAGCTG	780
721	Db		AAGCGCTCCAAAGTGGCCAGCTTCTCTGTACCCCAATCTTAGGAGGCTCCTGGCGGAAAGCTG	780
781	Qy		GGGCTCATCAGGGTGCTTGGAGTGTGTGTTTAATCCGCTGTGTGACCGGTTACTTTGGGA	840
781	Db		GGGCTCATCAGGGTGCTTGGAGTGTGTGTTTAATCCGCTGTGTGACCGGTTACTTTGGGA	840
841	Qy		AGGGGTCTTGCCCTGAAGACACTGTGTGCGGCAAGAACGCAAGGGGGGCAAGTCCCAAGAAG	900
841	Db		AGGGGTCTTGCCCTGAAGACACTGTGTGCGGCAAGAACGCAAGGGGGGCAAGTCCCAAGAAG	900
901	Qy	TA	903	
901	Db	TA	903	

RESULT 2

```

US-09-170-496D-271
; Sequence 271, Application US/09170496D
; Patent No. 6555339
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. 6553339-Endogenous, Constitutively Activated Human G Protein-
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 271
; LENGTH: 903
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-170-496D-271

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Query Match 99.5%; Score 898.2; DB 4; Length 903;
Best Local Similarity 99.7%; Pred. No. 2.1e-185;
Matches 900; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

	Qy	Db	Qy	Db
1	ATGAGCCTGCCCGGAGCTTCCCTTCGGCCTCTATGTGGCCGCGCTTTGCGCTGGGCTTC	60	61	CGGCTCAAGCTCTCTGCCATCCGAGGCGCAGCGCCACGCGCGGCTCGCTCTCACCCCT
1	ATGAGCCTGCCCGGAGCTTCCCTTCGGCCTCTATGTGGCCGCGCTTTGCGCTGGGCTTC	60	61	CGGCTCAAGCTCTCGGCATCCGAGGCGCAGCGCCACGCGCGGCTCGCTCTCACCCCT
				120

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; STATE: PA
; COUNTRY: USA
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; FILING DATE: 19-MAR-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Han, William T
; REGISTRATION NUMBER: 34,344
; REFERENCE/DOCKET NUMBER: GH50011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5219
; TELEFAX: 610-270-4026
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1841 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; US-08-820-521-1

Query Match      13.7%; Score 123.4; DB 2; Length 1841;
Best Local Similarity 52.3%; Pred. No. 1.1e-17;
Matches 383; Conservative 0; Mismatches 326; Indels 24; Gaps 4;

QY 18 GCTCTCTCTGGGCTCTATGTGGCGGCTTGGCTGGGCTTCCGCTCAACGCTCTGGC 77
DB 334 GTTCGTCTCTCGGTGTACCTTCTCACTTTCTGGTGGGCTCCGCTCAACGCTCTGGC 393
QY 78 CATCCGAGGCGGACGCGCCACGCGGCTCCGCTCTCACCCCTAGGCTGTGCTACGCCCT 137
DB 394 CTTGTGTCTTCTGGGGAAGCTGACGCGCCGCGGTGGCGTGGAGCTGTCTGTCT 453
QY 138 GAACCTGGGCTGTCCGACCTGTGTGACGAGTCTCTTGCCCTGAAAGCGGTGGAGGC 197
DB 454 CAACCTGACCGCTCGGACCTGCTCTGCTGCTGCTTCTGCTGCTTCCGATGTTGGAGGC 513
QY 198 GCTAGCTCCGGGCTGGGCTCTGCGGCGCTCGCTGCGGCTCTTGGCGTGGCCCA 257
DB 514 AGCCAATGGCATCACTGGGCGCTTCTATCTCTGCGGCTCTCTGGAATTCATCTT 573
QY 258 CTTCTTTCCCACTCTATGCGGGGGGCTTCTCGGCGGCTTCTGAGTGCGAGCGCGCTACCT 317
DB 574 CTTACCAACCACTATCTACCGGCTTCTTCTGCGAGCTGTGAGCATTTGAACGCTTCT 633
QY 318 GGAAGCAGCCTTCCCTTGGGCTTACCAAGCTTTCGAGGCGCTGTCTATTTCTGGGGGT 377
DB 634 GAGTGTGGCCCACTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 693
QY 378 GTGGGGGCGCATCTGGGCGCTCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 437
DB 694 GAGTGTGGGCTGTGGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 753
QY 438 TCAGAGGCTGGCTGGACACAGCAACACCTCCCTGGGCTCAACACACCGGCTCAACG 497
DB 754 CTAGGGG-----ACATCTCCACAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 795
QY 498 CTCTCGGCTGTGGAGGCTGTGGACCGGCGCTCTGCGGCGGCGGCGGCGGCGGCGGCGGCT 557
DB 796 CTACCTGGAGTTCGGGAGGACGAG--CTAGCCATCTCTCTGCGGCGGCGGCGGCGGAG-AT 852
QY 558 CTCTCTCTGCTCTTTTCTGCGGCTTTGGGCGCATCACAGCGCTTCTGTAGTGGGCTGCCT 617

; 853 GGCTGTGGTCTCTTTTGGTCCCGCTGATCATCACCAGCTACTGCTAC---AGCGCCT 909
; 618 CCGGCACTGGCCCGCTCCGGCTACGACAGGCGGAGAGCTGCGGCGGCTGCTGGGTGC 677
; 910 GGTGTGATCTCTCGGACAGAGGGGCGACCCCGCGGACAGAGAGGCTGGCGGCTGT 969
; 678 CCGCGGGGCTCTCTCAGCTGCTCTGCTGCTAGGACCTTACAGGCTCCCAAGCTGC 737
; 970 GCGGCGCAGCTGCTCAACTTCTGCTGCTTTGGGCGCTTACAAAGCTGCTCCATGCT 1029
; 738 CAGCTTCTCTGTAC 750
; 1030 GGGCTATATCTGC 1042

RESULT 4
US-09-248-715-1
; Sequence 1, Application US/09248715
; Patent No. 6207800
; GENERAL INFORMATION:
; APPLICANT: BERGMA, DEREK
; APPLICANT: SATHE, GANESH M.
; APPLICANT: FUETTERER, WENDY
; APPLICANT: MAO, JOYCE
; TITLE OF INVENTION: CDNA CLONE HNFY20 THAT ENCODES
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ratner & Prestia
; STREET: P.O. Box 980
; CITY: Valley Forge
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; FILING DATE: 09-FEB-1999
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/820,521
; FILING DATE: 19-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Prestia, Paul F.
; REGISTRATION NUMBER: 23,031
; REFERENCE/DOCKET NUMBER: GP-50011-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0700
; TELEX: 846169
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1841 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; US-09-248-715-1

Query Match      13.7%; Score 123.4; DB 3; Length 1841;
Best Local Similarity 52.3%; Pred. No. 1.1e-17;
Matches 393; Conservative 0; Mismatches 326; Indels 24; Gaps 4;

QY 18 GCTCTCTCTGGGCTCTATGTGGCGGCTTGGCTGGGCTTCCGCTCAACGCTCTGGC 77
DB 334 GTTCGTCTCTCGGTGTACCTTCTCACTTTCTGGTGGGCTCCGCTCAACGCTCTGGC 393
QY 78 CATCCGAGGCGGACGCGCCACGCGGCTCCGCTCTCACCCCTAGGCTGTGCTACGCCCT 137
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Db 970 GCGGCGCACGCTGCTCAACTTCCTTGTCTCTTTGGGCGCTTACAAAGTGTCCCATGTGCT 1029
Qy 738 CAGCTTCCTGTAC 750
Db 1030 GGGCTATATCTGC 1042

RESULT 6
US-09-170-496D-253
; Sequence 253, Application US/09170496D
; Patent No. 6555339
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protein-
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 253
; LENGTH: 1041
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-170-496D-253

Query Match 13.5%; Score 121.8; DB 4; Length 1041;
Best Local Similarity 52.1%; Pred. No. 2.3e-17;
Matches 382; Conservative 0; Mismatches 327; Indels 24; Gaps 4;

Qy 18 GCTCTCTCCGCGCTCTATGTGGCGCGCTTTGGCGCTGGGCTTCCCGCTCAACGCTCCTGGC 77
Db 45 GTTGGTCTTCTCGGTGTACTTCTCACTTCTCTGGTGGGCTCCCGCTCAACGCTCCTGGC 104
Qy 78 CATCCGAGGCGCAGCGCCCAAGCGCGCTCCGCTCAACCGCTTAGCGCTGGTCTACGCCCT 137
Db 105 CTTGGTGGTCTTCTGGTGGCAAGCTGAGCGCGCGCGGCTGGCGTGGAGCGTGTCTCTGCT 164
Qy 138 GAACCTGGGCTGCTCGACCTGCTGTGACAGTCTCTCTGCCCTGAAGCGGTGGAGC 197
Db 165 CAACCTGACCGCTCGGACCTGCTCTGTGCTGTGCTCTCTGCTGCTTCCGATGGTGGAGC 224
Qy 198 GCTAGCCTCCGCGCGCTGGGCTCTGCGCGCTCGCTGTGCGCGCTCTTCCGCGTGGCCCA 257
Db 225 AGCCAATGGCATGCATGGGCGCTGCGCTTCACTCTGCGCACTCTCTGGATTTCATCTT 284
Qy 258 CTTCTTCCCACTCTATGCGCGGCGGCTTCTCTGGCGCGCTGAGTGCAGCGCGCTACCT 317
Db 285 CTTTACACCACTATCTACCGCGCTTCTCTGGCAGCTGTGAGCATTTGAACGCTTCTCT 344
Qy 318 GCGAGCAGCTTCCCTTGGGCTACCAAGCTTCCGAGCGCTGTATCTCTGGGGGT 377
Db 345 GAGTGTGGCGCCACCACTGT 404
Qy 378 GTGCGCGGCGCATCTGGGCGCTCGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 437
Db 405 GAGTGTGGCGCTGCTGGCTGT 464
Qy 438 TCCAGAGGCTGGCTGGACCAAGCAACCTCTCTGGGCTATCAACACACCGGTCAACGG 497
Db 465 CTCAGGGG-----ACATCTCCACAGCGGACCAATGGGACCTG 506
Qy 498 CTCTCGGCTGTGGAGCGCTGGAGCCCGGCTCTGCGGCGCGCGCGCTTTCAGCCT 557
Db 507 CTACCTGGAGTTCCGAAGACAG--CTAGCCATCTCTCTGCGCGCTGGAG-AT 563
Qy 558 CT 617
Db 564 GGTGTGTCTCTTTTGTGTCT 620

Qy 618 CCGGCGACTGGCGCGCTCCGCGCTGACGACAGGCGGAGAGCTGCGGCGCGCTGGGTGGC 677
Db 621 GGTGTGGATCCTCGGAGAGGGGAGCGACCGCGGAGAGAGGGTGGCGGGCTGTT 680
Qy 678 CCGGCGGGCGCTCCTCAAGCTGCTGTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 737
Db 681 GCGGCGCAGCTGCTCAACTTCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 740
Qy 738 CAGCTTCCTGTAC 750
Db 741 GGGCTATATCTGC 753

RESULT 7
US-09-170-496D-273
; Sequence 273, Application US/09170496D
; Patent No. 6555339
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protein-
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 273
; LENGTH: 1041
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-170-496D-273

Query Match 13.1%; Score 118.6; DB 4; Length 1041;
Best Local Similarity 51.8%; Pred. No. 1.1e-16;
Matches 380; Conservative 0; Mismatches 329; Indels 24; Gaps 4;

Qy 18 GCTCTCTCCGCGCTCTATGTGGCGCGCTTTGGCGCTGGGCTTCCCGCTCAACGCTCCTGGC 77
Db 45 GTTGGTCTTCTCGGTGTACTTCTCACTTCTCTGGTGGGCTCCCGCTCAACGCTCCTGGC 104
Qy 78 CATCCGAGGCGCAGCGCCCAAGCGCGCTCCGCTCAACCGCTTAGCGCTGGTCTACGCCCT 137
Db 105 CTTGGTGGTCTTCTGGTGGCAAGCTGAGCGCGCGCGGCTGGCGTGGAGCGTGTCTCTGCT 164
Qy 138 GAACCTGGGCTGCTCGACCTGCTGTGACAGTCTCTCTGCCCTGAAGCGGTGGAGC 197
Db 165 CAACCTGACCGCTCGGACCTGCTCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCT 224
Qy 198 GCTAGCCTCCGCGCGCTGGGCTCTGCGCGCTCGCTGTGCGCGCTCTTCCGCGTGGCCCA 257
Db 225 AGCCAATGGCATGCATGGGCGCTGCGCTTCACTCTGCGCACTCTCTGGATTTCATCTT 284
Qy 258 CTTCTTCCCACTCTATGCGCGGCGGCGGCTTCTCTGGCGCGCTGAGTGCAGCGCGCTACCT 317
Db 285 CTTTACACCACTATCTACCGCGCTTCTCTGGCAGCTGTGAGCATTTGAACGCTTCTCT 344
Qy 318 GCGAGCAGCTTCCCTTGGGCTACCAAGCTTCCGAGCGCTGTATCTCTGGGGGT 377
Db 345 GAGTGTGGCGCCACCACTGT 404
Qy 378 GTGCGCGGCGCATCTGGGCGCTCGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 437
Db 405 GAGTGTGGCGCTGCTGGCTGT 464
Qy 438 TCCAGAGGCTGGCTGGACCAAGCAACCTCTCTGGGCTATCAACACACCGGTCAACGG 497
Db 465 CTCAGGGG-----ACATCTCCACAGCGGACCAATGGGACCTG 506
Qy 498 CTCTCGGCTGTGGAGCGCTGGAGCCCGGCTCTGCGGCGCGCGCGCTTTCAGCCT 557
Db 507 CTACCTGGAGTTCCGAAGAGCAG--CTAGCCATCTCTCTGCGCGCTGGAG-AT 563


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;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/479,130
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Leith, Debra K
; REGISTRATION NUMBER: 32,619
; REFERENCE/DOCKET NUMBER: 98-10
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-442-6674
; TELEFAX: 206-442-6678
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4895 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 176..1330
; OTHER INFORMATION:
;
; US-09-479-130-1
;
; Query Match          9.4%; Score 84.6; DB 3; Length 4895;
; Best Local Similarity 47.2%; Pred. No. 3.2e-09;
; Matches 329; Conservative 0; Mismatches 359; Indels 9; Gaps 2;
;
; Qy      8  TGC CCCCGCAGCTCTCCCTTCGGGCTCTATATGTCGGCGCGCTTTGCGCTGGGGTTCCCGCTCA 67
; Db      399  TGC CACACAGGCTGGTGC CGCCGCCCTCTATGGGCTGGTCTCTGGTGGTGGGCTGCCGGCA 458
;
; Qy      68  ACGTCCTGGGCATCCGAGGCGCGAGCGCCACGGCCCGGCTCCGTCTACCCCTAGCCTGG 127
; Db      459  ATGGGCTTGGGCTGCTGGGTGTGTGCCACGCGAGGACCTTCGGCTGCCCTCCACCATGTCTGC 518
;
; Qy      128  TCTACGCCCTTGAACTCGGGCTGTCTCCGACCTGTCTGTGACAGTCTCTCTGCCCTGAAGG 187
; Db      519  T-----GATGAACTCTGGACTGCTGACTCTCTGTGGCCCTGGCGCTGCCCGCGGA 572
;
; Qy      188  CGGTGGAGCGCTAGCTTCGGGGCTCTGGCCCTCTGCCGCCCTCGCTGTGCCCGCTCTTCG 247
; Db      573  TCGCCTACCACTCGGTGGCGAGCGCTGGCCCTTCGGGAGGCGCGCTTCGCCGCTGGCCA 632
;
; Qy      248  CGGTGGCGCACTTCTTCCCACTCTATGCGCGCGGGGGCTTCTGCGCGCCCTGAGTGCAG 307
; Db      633  CGGCGCGACTCTATGGTGCATGATGGCTCAGTGTCTGTCTGCGCGCGCTCAGCCTGG 692
;
; Qy      308  GCGCTTACCTTGGGAGCAGCCTTCCCTTTGGGCTACCAAGCCTTCGGGAGGCGGTGCTATT 367
; Db      693  ATCGCTACCTGGCCCTGGTGACCCGCTGCGGGCCCGCGCCCTGCGTGGCCGCGCCTGG 752
;
; Qy      368  CCTGGGGGTGTGCGCGGCCATCTGGGGCCTCTGCTCTGTGTACCTGGGTCTGGTCTTTG 427
; Db      753  CCCTTGGACTCTGCATGGCTGCTTGG---CTCATGGGCGCGCCCTGGCACTGCCCTGA 809
;
; Qy      428  GGTGTGAGGCTTCAGGAGGCTGGCTTGACACACAGCAACACTCCCTGGGGCATCAACACAC 487
; Db      810  CACTTGCAGCGCAGACCTTCCGGCTGGCGCGCTCCGATCGCGTGTCTGTGCCATGACGCGC 869
;
; Qy      488  CGGTCAACGGCTCTCCGCTCTGCTGGAGGCCCTGGAGCCCGGCGCTCTGCGCGCCCGGCC 547
; Db      870  TGCCCCCTGGACGCGCAGAGCCCTCCCACTGGGCAACCGGGCTTCACCTGCTGGCGTGTGG 929
;
; Qy      548  GCTTCAGCCTCTCTCTCTGCTCTTTTTCGCCCCCTTGGCCATCACAGCCTTCTGCTACG 607
; Db      930  GCTGTTTCTGCCCCCTGCTGGCCATGTGCTGTGTCTACGGGGCCACCTTCACACGCTGG 989
;
; Qy      608  TGGGCTGCCTCCGGGCACTGCGCCCGCTCCGGCCTTGACGCAACAGCGGGAAGCTCGGGGCCG 667

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QY 548 GCTTCAGCTCTCTCTCCCTGCTCTTTTCTGCGCTTGGCCATCAGAGCTTCTGCTACG 607
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 930 GCTGTTTCTGCGCTTGGCCATGCTGCTGTACGGGCGCACCTGCAACAGCTGG 989
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 608 TGGGTGCTTCCGGGCACTTGGCCGCTCCGGGCTGACGACAGGGGGAAGCTTGGCGCG 667
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 990 CGGCCAGCGCGGCGCTACGGCCACGGCTGAGGCTGACCGAGTGGTGTGCTGGCTCG 1049
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 668 CTGGGTGCGCGGCGGCGCTCTCTCACGCTGCTGCT 704
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1050 CCGTGGCTTCTTCTGCTGCCAGCAACCTGCTGCTGCT 1086
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
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RESULT 11
US-09-170-496D-117
; Sequence 117, Application US/09170496D
; Patent No. 6555339
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protein-
; FILE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 117
; LENGTH: 1098
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-170-496D-117
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Query Match 8.9%; Score 80; DB 4; Length 1098;
Best Local Similarity 51.8%; Pred. No. 2.6e-08;
Matches 207; Conservative 0; Mismatches 190; Indels 3; Gaps 1;

QY 6 CTGCCCCCGAGCTCTCTTGGGCTCTATGTGGCGGCTTGTGGGCTTCCCGCT 65
Db 54 CATCCACAGAGCTTGGCCCGGTGTCTATGTATACCGTGTGGTGGGCTTCCCGGC 113
QY 66 CAAGTCTCGGCATCCGAGGCGAGCGCCACGCGCGCTCCGCTCTCACCCCTAGCT 125
Db 114 CAACTGCTTCTCTTACTTCTGCTACCTGAGATCAAGGCCGGAACGAGCTGGGC-- 171
QY 126 GGTCTACGCCCTGAACCTGGGCTGTCTCCGACCTGTCTGACAGTCTCTCTGCCCTGAA 185
Db 172 -GTGTACCTGTGCACCTGACGGTGGCGACCTCTTACATCTGCTGCTGCCCTTCTG 230
QY 186 GCGGTGAGGCGCTAGCTTCCGGGCTGTGGGCTGTGGGCTGTGGGCTGTGGGCTGT 245
Db 231 GCTGAGTACGTGCTGACGACGACAACTGTCTCACGCGGACCTGCTGCCAGGTGTG 290
QY 246 CGCGTGGCGGCTTCTTCCACTCTATCGCGGGGGCTTCTTGGCGGCTTCCCTGAGTGC 305
Db 291 CGGCATCTCTGTACGAGAACATCTACATCAGCGTGGGCTTCTCTGCTGATCTCCGT 350
QY 306 AGCGGTGAGGCGCTAGCTTCCGGGCTGTGGGCTGTGGGCTGTGGGCTGTGGGCTGT 245
Db 231 GCTGAGTACGTGCTGACGACGACAACTGTCTCACGCGGACCTGCTGCCAGGTGTG 290
QY 246 CGCGTGGCGGCTTCTTCCACTCTATCGCGGGGGCTTCTTGGCGGCTTCCCTGAGTGC 305
Db 291 CGGCATCTCTGTACGAGAACATCTACATCAGCGTGGGCTTCTCTGCTGATCTCCGT 350
QY 306 AGCGGTGAGGCGCTTCCCTTCCGCTGTGGGCTTCCGAGCTTCCGAGGCGGCTGTGTA 365
Db 351 GGACCGCTACTGCTGTGGCCCATCTTCCGCTTCCACGAGTTCGGAGCCCTGAAGGC 410
QY 366 TTCCTGGGGGTGTGGCGGCGCATCTGGGCGCTGCTGCTG 405
Db 411 GGCGGTGCGGCTGAGCGTGGTCACTCTGGGCGCAAGGAGCTG 450
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RESULT 12
US-09-170-496D-225
; Sequence 225, Application US/09170496D
; Patent No. 6555339
; GENERAL INFORMATION:
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```
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protein-
; FILE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 225
; LENGTH: 1098
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-170-496D-225

Query Match 8.9%; Score 80; DB 4; Length 1098;
Best Local Similarity 51.8%; Pred. No. 2.6e-08;
Matches 207; Conservative 0; Mismatches 190; Indels 3; Gaps 1;

QY 6 CTGCCCCCGAGCTCTCTTGGGCTCTATGTGGCGGCTTGTGGGCTTCCCGCT 65
Db 54 CATCCACAGAGCTTGGCGGCTGTCTATGTATACCGTGTGGTGGGCTTCCCGGC 113
QY 66 CAAGTCTCGGCATCCGAGGCGAGCGCCACGCGGCTCCGCTCTCACCCCTAGCT 125
Db 114 CAACTGCTTCTCTTACTTCTGCTACCTGAGATCAAGGCCGGAACGAGCTGGGC-- 171
QY 126 GGTCTACGCCCTGAACCTGGGCTGTCTCCGACCTGTCTGACAGTCTCTCTGCCCTGAA 185
Db 172 -GTGTACCTGTGCACCTGACGGTGGCGACCTCTTACATCTGCTGCTGCCCTTCTG 230
QY 186 GCGGTGAGGCGCTAGCTTCCGGGCTGTGGGCTGTGGGCTGTGGGCTGTGGGCTGT 245
Db 231 GCTGAGTACGTGCTGACGACGACAACTGTCTCACGCGGACCTGCTGCCAGGTGTG 290
QY 246 CGCGTGGCGGCTTCTTCCACTCTATCGCGGGGGCTTCTTGGCGGCTTCCCTGAGTGC 305
Db 291 CGGCATCTCTGTACGAGAACATCTACATCAGCGTGGGCTTCTCTGCTGATCTCCGT 350
QY 306 AGCGGTGAGGCGCTTCCCTTCCGCTGTGGGCTTCCGAGCTTCCGAGGCGGCTGTGTA 365
Db 351 GGACCGCTACTGCTGTGGCCCATCTTCCGCTTCCACGAGTTCGGAGCCCTGAAGGC 410
QY 366 TTCCTGGGGGTGTGGCGGCGCATCTGGGCGCTGCTGCTG 405
Db 411 GGCGGTGCGGCTGAGCGTGGTCACTCTGGGCGCAAGGAGCTG 450

RESULT 13
US-08-724-974A-1
; Sequence 1, Application US/08724974A
; Patent No. 5912335
; GENERAL INFORMATION:
; APPLICANT: Derk J. Bergsma, Catherine E. Ellis
; TITLE OF INVENTION: A No. 5912335el G-Protein Coupled Receptor
; TITLE OF INVENTION: HUVCT36
; NUMBER OF SEQUENCE ADDRESSES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESS: Smithkline Beecham Corporation
; STREET: 709 Swedeland Road, P.O. Box 1539
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406-0939
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM 486
; OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/724,974A
; FILING DATE: October 3, 1996
```

```
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: William T. Han
; REGISTRATION NUMBER: 34,344
; REFERENCE/DOCKET NUMBER: ATG0022
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610 270 5024
; TELEFAX: 610 270 5090
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1597
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: No
US-08-724-974A-1

Query Match      8.9%; Score 80; DB 2; Length 1597;
Best Local Similarity 51.8%; Pred. No. 2.7e-08;
Matches 207; Conservative 0; Mismatches 190; Indels 3; Gaps 1;

QY      6 CCTGCCCGCCGACGCTCTCTTGGCGCTCTATGTGGCGGCTTTGGCGCTGGGCTTCCCGCT 65
DB      395 CATCCACCAAGACGCTGGCCCCGGTGTCTATGTTACCGTGCTGGTGGGCTTCCCGGC 454

QY      66 CAACGCTCTGGCCATCCGAGGCGCGACGGCCCGGCTCCGCTCAACCCCTAGCCT 125
DB      455 CAACGCTGCTCTCTACTTTCGGCTACCTGAGATCAAGGCCCGGAAAGAGTGGGC-- 512

QY      126 GGTCTAGCCCTGAACTGGGCTGCTCCGACCTGCTGACAGTCTCTTGCCTGCTGAA 185
DB      513 -GTGTACCTGTGCAACTGACGCTGGCGACCTCTTCTACATCTGCTCGTGGCCTTCTG 571

QY      186 GCGGTGGAGGCGCTAGCTCCGGGCGCTGCTGCGGCGCTTCCGCTGCGGCTCTT 245
DB      572 GCTGCACTAGCTGCTGACGACACAACTGCTGCTGCGGCGCTTCTGCGGCGAGTGTG 631

QY      246 CGCGGTGGCCCACTTCTTCCACTCTATGCGGCGGGGCTTCTGCGGCGCTTCTGCTG 305
DB      632 CGCATCTCTCTGACAGNACATCTACATCAGCGTGGGCTTCTCTGTCATCTCCGT 691

QY      306 AGCCCGCTACCTGGGAGCAGCTTCCCTTGGGCTACCAAGCTTCCGAGGCGCGTGTCTA 365
DB      692 GGACCGCTACCTGGCTGGGCCCATCCCTTCCGCTTCCACCACTTCCGAGCCCTGAAGGC 751

QY      366 TTCTCTGGGGGTGTGGCGGCGCATCTGGGCGCTTGGGCTTCTGCTG 405
DB      752 GGCCCGTGGCGGTGAGCGTGTCTATCTGGGCGCAAGGAGCTG 791

RESULT 14
US-09-364-425B-26
; Sequence 26, Application US/09364425B
; Patent No. 6653086
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lin, I-Lin
; APPLICANT: Lowitz, Kevin P.
; APPLICANT: Chen, Ruoping
; TITLE OF INVENTION: Endogenous, Constitutively Activated G Protein-Coupled Orphan Receptor
; FILE REFERENCE: Aren0047
; CURRENT APPLICATION NUMBER: US/09/364,425B
; CURRENT FILING DATE: 2001-12-18
; PRIOR APPLICATION NUMBER: 60/094,879
; PRIOR FILING DATE: 1998-07-31
; PRIOR APPLICATION NUMBER: 60/106,300
; PRIOR FILING DATE: 1998-10-30
; PRIOR APPLICATION NUMBER: 60/110,906
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; PRIOR FILING DATE: 1998-12-04
; PRIOR APPLICATION NUMBER: 60/121,851
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26
; LENGTH: 1697
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-364-425B-26

Query Match      8.9%; Score 80; DB 4; Length 1697;
Best Local Similarity 51.8%; Pred. No. 2.7e-08;
Matches 207; Conservative 0; Mismatches 190; Indels 3; Gaps 1;

QY      6 CCTGCCCGCCGACGCTCTCTTGGCGCTCTATGTGGCGGCTTTGGCGCTGGGCTTCCCGCT 65
DB      377 CATCCACCAAGACGCTGGCCCCGGTGTCTATGTTACCGTGCTGGTGGGCTTCCCGGC 436

QY      66 CAACGCTCTGGCCATCCGAGGCGCGACGGCCCGGCTCCGCTCAACCCCTAGCCT 125
DB      437 CAACGCTGCTGCTCTCTACTTTCGGCTACCTGCGATCAAGGCCCGGAAAGAGTGGGC-- 494

QY      126 GGTCTAGCCCTGAACTGGGCTGCTCCGACCTGCTGACAGTCTCTTGCCTGCTGAA 185
DB      495 -GTGTACCTGTGCAACCTGACGCTGGCGGACCTCTTCTACATCTGCTCGTGGCCTTCTG 553

QY      186 GCGGTGGAGGCGCTAGCTCCGGGCGCTGCTGCGGCGCTTCCGCTGCGGCTCTT 245
DB      554 GCTGCACTAGCTGCTGACGACACAACTGCTCTCAAGCGGCGCTGCTGCGGCGAGTGTG 613

QY      246 CGCGGTGGCCCACTTCTTCCCACTCTATGCCGCGGGGCTTCTGCGGCGGCTTCTGAGTGC 305
DB      614 CGGCATCTCTCTGTACGAGAACATCTACATCAGCGTGGGCTTCTCTGTCATCTCCGT 673

QY      306 AGCCCGCTACCTGGGAGCAGCTTCCCTTGGGCTACCAAGCTTCCGAGGCGCGTGTCTA 365
DB      674 GGACCGCTACCTGGCTGGGCCCATCCCTTCCGCTTCCACCACTTCCGAGCCCTGAAGGC 733

QY      366 TTCTCTGGGGGTGTGGCGGCGCATCTGGGCGCTTGGGCGCTTCTGCTG 405
DB      734 GGCCCGTGGCGGTGAGCGTGTCTATCTGGGCGCAAGGAGCTG 773

RESULT 15
US-09-762-661A-1
; Sequence 1, Application US/09762661A
; Patent No. 6645726
; GENERAL INFORMATION:
; APPLICANT: Howard, Andrew D.
; APPLICANT: Palyha, Oksana C.
; APPLICANT: Smith, Roy G.
; APPLICANT: Tan, Carina P.
; TITLE OF INVENTION: CANINE GROWTH HORMONE SECRETAGOGUE
; TITLE OF INVENTION: RECEPTOR
; FILE REFERENCE: 20207P
; CURRENT APPLICATION NUMBER: US/09/762,661A
; CURRENT FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: PCT/US99/17915
; PRIOR FILING DATE: 1999-08-06
; PRIOR APPLICATION NUMBER: 60/095,960
; PRIOR FILING DATE: 1998-08-10
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1050
; TYPE: DNA
; ORGANISM: Canis familiaris
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(1050)
; OTHER INFORMATION: n = A,T,C or G
US-09-762-661A-1
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Query Match		8.7%;	Score 78.2;	DB 4;	Length 1050;
Best Local Similarity		47.9%;	Pred. No. 6.2e-08;		
Matches 292;		Conservative 0;	Mismatches 309;	Indels 9;	Gaps 2;
QY	28	GGCCTCTATGTGGCCGCTTTGGCTGGGCTTCCGCTCAAGTCTCCTGGCCATCCGAGGC	87		
Db	91	GCACCTGGGTGGCGTGTTCGCCGTGGGGTGGGGCAACCTGCTGACGGTGTGGTG	150		
QY	88	GGACGGCCACGCCGGCTCGGTCTCACCCCTAGCTGGTCTACGCCCTGAACCTGGGC	147		
Db	151	GTGCGCGCTTCGGGAGCTGGGCACCAACCAACCTG---TACCTGTGCAGCCTGGCC	207		
QY	148	TGCTCCGACTGCTGTGACAGTCTCTCTGCCCTGAAGCGGTGGAGCGCTAGCCCTCC	207		
Db	208	TGCTCCGACTGCTGTGACAGTCTCTCTGCCCTGAAGCGGTGGAGCGCTAGCCCTCC	267		
QY	208	GGGGCTGGCCCTCTGCGGCGCTCGCTGTGCGCCGCTTTCGCGGTGGCCCACTTCTTCCCA	267		
Db	268	CGGCCCTGGACCTTCGGCGACCTGTCTCTGCAAACTCTTCAGTTCGTGAGCGAGGGCTGC	327		
QY	268	CTCTATGCGCGGGGGGCTTCCTGGCCGCCCTGAGTGCAGGCCGTACCTGGGAGGAGCC	327		
Db	328	ACCTACGCCACACGTGTCTACCATCACGGCGCTGAGCGTCTACTTCGCCATCTGC	387		
QY	328	TTCCCTTGGGCTACCAAGCCTTCGGAGGCCGTGCTATTCTTGGGGGTGTCGGGCC	387		
Db	388	TTCCCTTGGGCTACCAAGCCTTCGGAGGCCGTGCTATTCTTGGGGGTGTCGGGCC	447		
QY	388	ATCTGGGCCCTCGTCTCTGTGTACCTGGGTCTGGTCTTTGGGTGGAGGCTCCAGGAGGC	447		
Db	448	ATCTGGGCCGTGGCCCTTCTGCAGGCCGGGCCCACTCTTCGTGTGTG-----GGCGTG	501		
QY	448	TGGCTGGACACAGCAACCTCTCCCTGGGCATCAACACCGGTCAACGGCTCTCGGTC	507		
Db	502	GAGCACAGAACGGCACCGACCCCGGGACACCCCGAGTGCCTGGGCCACCGAGTTCGCC	561		
QY	508	TGCTTGGAGGCTTGGGACCCGGCTCTGCGGCCGGCCGCTTCAGCCCTCTCTCTCTG	567		
Db	562	GTGCGCTCGGGGTGTCTACGGCCATGGTGTGGGTGTCCAGGTCTTCTTCTCTGCCC	621		
QY	568	CTCTTTTCTTGTGCTTGGCCATCACAGCCTTCTGTCTAGTGGGCTGCTCCGGGCATG	627		
Db	622	GTCTTCTGCTCACGGTGTCTTACGGCCTCATCGGCAGGAGCTGTGGCGCGGGGGCGC	681		
QY	628	GCCCGTCCG	637		
Db	682	GGCGACACNG	691		

Search completed: August 27, 2005, 03:12:05
Job time : 160 secs